

26th
MEETING
OF
ACADEMIC COUNCIL

MINUTES



Sher-e-Kashmir
University of Agricultural Sciences & Technology of Jammu
Cusatha, Jammu-182005 (J&K)



26th

ACADEMIC COUNCIL MEETING

MINUTES



*Sher-e-Kashmir
University of Agricultural Sciences & Technology of Jammu
Chatha, Jammu - 180009*

Minutes of 29th Academic Council Meeting

The 29th meeting of the Academic Council of BGSMT-Jammu was held on January 29, 2025, under the chairmanship of Hon'ble Vice-Chancellor, Prof. S.A. Tribadi. The meeting was attended by faculty officers of the University, Heads of Divisions, nominated members, and an expert member. A detailed list of participants is provided in Annexure-1.

In his opening remarks, Prof. Tribadi emphasized the pivotal role of efficient delivery systems in teaching, research, and extension, highlighting their direct impact on educational quality and the University's overall ranking. He underscored the necessity of adopting innovative teaching methodologies and integrating modern pedagogical approaches to address contemporary educational challenges. By combining these advancements with traditional strengths, he asserted, the University could significantly enhance the overall quality of education. Following his address, Dr. Anil Kumar, Member Secretary and Registrar, BGSMT-J presented the agenda items for discussion.

Agenda Item No. AC (28) 01

1. Confirmation of minutes of 28th Meeting of Academic Council

The Member Secretary informed the house that the minutes of the 28th Academic Council meeting, held on May 1, 2024, had been circulated to all members vide no. AUJAcad/2024-25/492627-01, dated July 8, 2024. As no comments or objections were received from any members, the following resolution was adopted:

"Resolved that the minutes of the 28th meeting of the Academic Council, as circulated vide AUJAcad/2024-25/492627-01, dated July 8, 2024, were confirmed (Amended)."

Agenda Item No. AC (28) 02

1. Engagement of Professor of Practice and Adjunct Faculty.

The Member Secretary informed the house that a committee had been constituted under Order No. BGSMT/AC/2023-24/1385-257, dated March 27, 2024. Based on the committee's recommendations and with the approval of the competent authority, guidelines for the engagement of 'Professor of Practice' and the nomination of 'Adjunct Faculty' were notified via Order No. AUJ/En/2024-25/492627-04, dated October 27, 2024.

The National Education Policy 2020 (NEP-2020) seeks to transform higher education by emphasizing skill-based learning aligned with the evolving demands of industry and the economy. The Hon'ble Vice-Chancellor informed the house that the University had recently engaged two Professors of Practice under the Industry-Faculty Category to strengthen industry-academic collaboration and provide students with exposure to an industrial environment. The appointed faculty members are:

- **Dr. Subhas Singh Rana** – Head of Market Development and Commercial, Lead Commercial Capability & Community, Bayer Crop Science
- **Mr. Sufinder Singh Mendu** – Vice-President, Technical & Supply Chain, Cardinal Groupways Pvt. Ltd., Jammu

This initiative aims to bridge the gap between academic learning and industry practices, enhancing student practical knowledge and employability.

The Hon'ble members of the Academic Council unanimously adopted the following resolution:

Resolved that:

- The action taken regarding the engagement of Professors of Practice and Adjunct Faculty, as per guidelines notified via Order No. AU/EST/05-07/04-26/178-0527 dated October 31, 2024, is hereby ratified.
- The engagement of two Professors of Practice at the University, namely Dr. Gulshan Singh Nagra and Mr. Gulshar Singh Nagra, is confirmed and recommended to the Board of Management (BoM) for approval (Minors-6).

Agenda Item No. 80 (74) (5)

1. Admissions to UG and PG programmes for academic session 2024-25

The Member Secretary informed the Council that the University conducted admissions for various undergraduate and postgraduate programs for the academic session 2024-25 through MAJESTY / CBT 2024, as per Notification No. 48/Res./1 of 2024, dated May 8, 2024. The admissions under the CBT mode were conducted through JAR counseling, while the VCI mode was filled through non-counseling via VCI counseling. Besides this, three foreign students were also admitted to the supplementary mode under the CBT following migration.

The Hon'ble members of the Academic Council unanimously adopted the following resolution:

Resolved that the admissions granted in various UG and PG programs for the first semester of the academic session 2024-25 are hereby approved.

Agenda Item No. 80 (75) (4)

1. Inclusion of B.Sc. (Hons.) Horticulture/Forestry/B.Tech. Biotechnology as an Eligibility Qualification for M.Sc. in Genetics and Plant Breeding.

The Dean, Faculty of Agriculture, proposed revising the eligibility criteria for admission to the PG program in Genetics and Plant Breeding to align with ICAR guidelines. In response, the Director of Research suggested implementing similar revisions for the disciplines of Entomology and Plant Pathology.

The Hon'ble members of the Academic Council unanimously adopted the following resolution:

Resolved that the revised eligibility criteria for admission to the M.Sc. (Ag.) programs in Genetics and Plant Breeding, Entomology, and Plant Pathology are hereby adopted as follows:

- B.Sc. Ag. / Hort. / Forestry or B.Sc. (Hons.) Agriculture / Horticulture / Forestry / B.Tech. (Biotechnology).*

Agenda Item No. AC/28/03**: Appointment of Teachers (Salaries to Faculty)**

The Member Secretary forwarded the request for appointment of teachers granted to the following teachers as per Memorandum No. A&T/2023-24/04-04/03 dated October 21, 2023:-

S.No.	Name of Teacher	Division/Section
1	Dr. Farook Khatun, Associate Professor	Division of Fisheries and Aquaculture
2	Dr. Pooja Rathi, Associate Professor	Division of Vegetable Science

The Hon'ble members of the Academic Council unanimously adopted the following resolution:

"Resolved that the appointment of faculty members, as granted vide Memorandum No. A&T/2023-24/04-04/03 dated October 21, 2023, is hereby refused."

Agenda Item No. AC/28/04**: Permission for engaging 04 (one) no. of contractual Teachers, faculty on students' assignment basis in the discipline of Agricultural Extension.**

The Head of Agricultural Extension requested the leave to grant permission for the engagement of one (1) contractual teacher faculty or an academic extension staff basis in the teaching assignment basis in the discipline of Agricultural Extension. The Hon'ble members of the Academic Council unanimously adopted the following resolution:

"Resolved that permission is granted for the engagement of one (1) contractual teacher faculty or an academic extension staff basis in the discipline of Agricultural Extension."

Agenda Item No. AC/28/05**: Renomination of Diploma course in Agriculture to be renamed as DIPLOMA IN AGRICULTURE (ONE YEAR)**

The Dean, Faculty of Agriculture proposed renaming the Diploma in Agriculture offered by the Faculty to **Diploma in Agriculture (One Year)**. The rationale behind the proposal is to prevent duplication and ambiguity, as the University plans to introduce a two-year diploma program for students entering after two years from the B.Sc. (Hons.) Agriculture program under NEP 2020.

The Hon'ble members of the Academic Council unanimously adopted the following resolution:

"Resolved that"

- Renomination of Diploma course in Agriculture be renamed as **DIPLOMA IN AGRICULTURE (ONE YEAR)**.

- + **Acceleration of Diploma course in Horticulture be renamed as DIPLOMA IN HORTICULTURE/ONE YEAR***

Agenda Item No. AC/26/08

- o **Permission to appear in the final related examination during ensuing year (Diploma course in Agriculture) and maximum duration of the course to be extended up to three years.**

The Dean, Faculty of Agriculture proposed that the permission be granted to the students of diploma courses in agriculture to appear in the final related examination during ensuing year and how long duration of the course to be extended up to three years.

The Honorable Members of the Academic Council has adopted the following resolution:

"Resolved that the permission to appear in the final related examination during ensuing year (Diploma course in Agriculture) and maximum duration of the course is extended up to two years".

Agenda Item No. AC/28/08

- o **Revision of Educational Tour Fee from ₹4000/- to ₹15,000/-**

The Member Secretary informed the increase of the Educational Tour fee would be increased to Rs. 15,000/- and charged in eight installments before the commencement of the 7th semester, in addition to the regular semester fee. Mr. Sugandh Choudhary, the student representative, suggested that the revised fee structure should apply only to students sending from the academic session 2023-25 onwards.

The Honorable members of the Academic Council, unanimously adopted the following resolution:

"Resolved that the Educational Tour fee for undergraduate students shall be enhanced to Rs. 15,000/-, effective from the academic session 2023-25."

Agenda Item No. AC/29/08

- o **Functioning of AMS (Academic Management System) in Hybrid mode for G.A. 3rd, & A.H degree programmes.**

The Director of Education informed the issue that registration cards for PG and R.G. students would be filed manually. After reviewing the Functionality of the Academic Management System (AMS), the Honorable Vice-Chancellor directed that One Computer programme be installed with the Joint Registrar's office to enhance and streamline the AMS for efficient operations.

Agenda Item No. AC (25/11)

Implementation of Veterinary Council of India, Regulations in force including Annexure-I of Chapter VI.

The Member Secretary informed the House that the 33rd meeting of Faculty of Veterinary Sciences & Animal Husbandry had recommended implementation of RPN in favour of teaching staff of F.V.Sc. & A.H. SOUMEST-Jammu.

The Honorable Members of the Academic Council has adopted the following resolution:

"Resolved that implementation of RPN in favour of teaching staff of F.V.Sc. & A.H. SOUMEST-Jammu was approved and further recommended to SoM for deliberation and approval."

Agenda Item No. AC (26/11)

Veterinary Teaching Assistantship

The Member Secretary informed the House that the Board of Studies, Faculty of Agriculture, in its 10th meeting recommended that Ph.D. students upon completion of their coursework should be able to take up voluntary teaching assistantships, with a certificate of teaching to be provided to these students.

The Honorable Members of the Academic Council has adopted the following resolution:

"Resolved that Ph.D. students after completion of their course work be allowed for voluntary teaching assistantship and certificate of teaching shall be given to such students by Dean of Concerned faculty."

Agenda Item No. AC (27/11)

Modified courses for Diploma in Agriculture (One Year)

The Member Secretary informed the House that the 33rd meeting of Board of Studies, Faculty of Agriculture had recommended the modification in courses for One year Diploma in Agriculture as:

Modified courses for two terms:

1st term or semester Basic Courses (14 credit)

Introductory Agronomy

Soil and Fertilizers

Insect pests and Diseases of Agricultural Crops

Mushroom cultivation and Spices production

2nd term or Semester courses (15 credit hrs.)

Seed Production

Extension Agriculture in Agriculture

Agriculture

Concepts of Organic and Natural Farming

Marketing and Value Addition in Agriculture

Introductory Farm Machinery

The Honorable Members of the Academic Council has adopted the following resolution:

"Resolved that the modified courses for the Diploma in Agriculture (One-Year) as called above, are approved for implementation."

Academic Rule No. AC (2014)

Eligibility Criteria for Admission to Master's Degree Programmes in Agriculture

Joint FCA, proposed that the eligibility criteria for admission to Master's degree programmes in Agriculture offered through the BKU/BSU/UEST/FOD needs to be revised, as under:

- **4-year (B.Tech) or 5-year (B.Sc) undergraduate degree in Agriculture as essential requirement for admission to the Master's degree programmes in Agriculture.**
- **Candidates who have completed a 3-year Bachelor's degree programme are not eligible for admission.**

The Honorable Members of the Academic Council has adopted the following resolution:

"Resolved that

- a 4-year (B.Tech) or 5-year (B.Sc) undergraduate degree in Agriculture shall be the essential requirement for admission to Master's degree programmes in Agriculture. However, candidates who have completed a 3-year Bachelor's degree programme are eligible for admission only in Semester discipline in Faculty of Agriculture"**

Academic Rule No. AC (2015)

Introduction of French and Swahili Courses as per NEP 2020 (Compulsory-Non Credit)

The Member Secretary proposed the introduction of French and Swahili as compulsory non-credit courses for students at the university. The courses will be introduced as follows:

1. French Language Courses:

- **French Proficiency Course-I (FPG-507 (1+0)**
- **French Proficiency Course-II (FPG-508 (1+0)**

2. Swahili Language Courses:

- **Swahili Proficiency Course-I (SPC-509 (1+0)**
- **Swahili Proficiency Course-II (SPC-510 (1+0)**

The Honorable Members of the Academic Council has adopted the following resolution:

"Resolved that French and Sanskrit courses (Compulsory-course(s) as outlined above, be introduced in the university curriculum as per NEP 2020, with the due care/effort provided in Annexure IV."

Agenda Item No. AC (20)15

1. Reaffirmation of the Guidelines for Masters and Ph.D. Sanskrit/Bilateral programmes and students nominated for Research work by other Universities/Institutions.

The Member Secretary informed the House that the "Guidelines for Masters and Ph.D. Sanskrit/Bilateral Programs and Students Nominated for Research Work by Other Universities/Institutions" as issued in the aforementioned memorandum was notified (Annexure- IV).

The Hon'ble members of the Academic Council unanimously adopted the following resolution:

"Resolved that the "Guidelines for Masters and Ph.D. Sanskrit/Bilateral Programmes and Students Nominated for Research Work by Other Universities/Institutions" as issued in the aforementioned memorandum was notified (Annexure- IV)."

Agenda Item No. AC (20)17

1. Online Thesis Viva Voce of Masters and Ph.D. Thesis and online oral Comprehensive Examinations of Ph.D. students

The Member Secretary informed the House that the online Viva Voce examination for PG and Ph.D. students of the University will commence in the second semester of the academic year 2024-25 (i.e., February 2, 2025). The Hon'ble Vice-Chancellor directed that the modalities and guidelines for conducting the online Viva Voce examinations be formulated.

The Hon'ble members of the Academic Council unanimously adopted the following resolution:

Resolved that:

- Thesis Viva Voce for Master's and Ph.D. students shall be conducted through online mode.
- The Oral Comprehensive Examinations for Ph.D. students shall also be conducted through online mode.
- The Director of Examinations shall frame the modalities and guidelines for conducting online Viva Voce examinations for PG/Ph.D. students."
- The same shall be come into effect from 2nd semester of Academic year 2024-25, i.e.d. 02-02-2025."

The Director, Institute of Biotechnology proposed the introduction of a postgraduate degree program, M.Tech. (Biotechnology), starting from the academic session 2025-26. Recognizing the growing need to address postgraduate education to meet emerging market demands and specialized job opportunities at both national and international levels, the introduction of the M.Tech. (Biotechnology) programme has become a necessity. The Institute possesses adequate academic and research infrastructure to support the requirements of the new degree programme.

The detailed Course Catalogue is provided in Annexure- III.

The Hon'ble Members of the Academic Council has adopted the following resolution:

Resolved that:

- The M.Tech. Biotechnology degree shall be offered by the Institute of Biotechnology Inter-academic session 2025-26 with Minimum Duration of 4 Semesters (2 Years)
- Proposed intake Capacity: 40 Students per academic year (Self-financed, FEE 1,10,000 INR per year)
- Eligibility: The candidates must hold a minimum 4-year undergraduate degree in one of the following disciplines: B.Tech. Biotechnology(B.Sc. Biotechnology(B.Sc. (Hons)/ Biotechnology(B.Sc. (Hons)/ Agriculture(B.Sc. (Hons)/ Horticulture(B.Sc. (Hons)/ Zoology
- Admission Procedure: Admission to the M.Tech. (Biotechnology) programme will be based on Merit in the entrance exam conducted by the University (SRLAST-J CET). "

The Member Secretary informed the House that the University has already adopted the recommendations for implementing the CAR Sixth Degree Committee Report starting from the academic year 2024-25, as per Memorandum No. AUJG24-25/23-2446-2045, dated October 19, 2024. The Director, Institute of Biotechnology proposed that the eligibility criteria for admission to the B.Tech Biotechnology program should be retained in its current, flexible format to ensure greater inclusivity and opportunities for students.

The Hon'ble Members of the Academic Council has adopted the following resolution:

Resolved that:

- L. The adoption of the ICAR Sixth Degree Committee Report for restructuring of undergraduate programmes offered by the university except B.V.Sc. & A.P as modified vide Memorandum No. AGU/2024-25/-23/2048-2073 dated 10/10/2024, effective from the academic year 2024-25, is hereby ratified.
- E. The eligibility and mode of admission for entry into the PG programmes shall be as per SUBJECT-4 annex

S.N s	Programme	Eligibility
01.	B.Sc. (Hons.) Agriculture	10+2 with PCB/PCMB/BIOT or Agriculture (P, C, M and A set: Physics, Chemistry, Mathematics and Agriculture, respectively)
02.	B.Sc. (Hons.) Horticulture	
03.	B.Tech. Biotechnology	
04.	B.Tech. Dairy Technology	
05.	B.Tech. Agricultural Engineering	10+2 with PCM or A (P, C, Math, Physics, Chemistry, Mathematics or Agriculture)

Agenda Item No. AC/2023

- : Inclusion of Horticulture as Major Subject Group in SKJ/NET-Jammu Entrance Examination (CET-PG) for admission to various master degree programmes.

The Dean, Horticulture & Forestry proposed that the University conduct a Common Entrance Test (CET) for admissions to postgraduate programs under the following eight Major Subject Groups. With the first batch of B.Sc. (Hons.) Horticulture graduating in the academic session 2024-25, there is a need to include Horticulture as a Major Subject Group in the CET starting from the academic session 2025-26. The House decided that the matter be deferred in the PG Board of Studies before being presented to the Academic Council.

Agenda Item No. AC/2023

- : Inclusion of B.Sc. (Hons.) Horticulture degree as eligibility for admission to various PG courses.

The Chairman decided that the matter must be deliberated in PG Board of Studies before proceeding to the Academic Council. The agenda shall be discussed with concerned Heads of Divisions, Dean and Director (Education) in case is concerned.

Agenda Item No. AC (2022)

- To scale the synopsis of Ph. D degree programmes for external evaluation through concerned Dean of the faculty.

The Hon'ble Members of the Academic Council has adopted the following resolution:

"Resolved that the synopsis of Ph. D degree programmes for external evaluation be scaled through concerned Dean of the faculty to Director Sub editor"

Agenda Item No. AC (2022)

- Syllabus for Course No VPE-413 (Research Methodology and Publication Ethics in VPE 2+3)

The Hon'ble Members of the Academic Council has adopted the following resolution:

"Resolved that Syllabus for Course No VPE-413 (Research Methodology and Publication Ethics in VPE-2+3) was approved."

Agenda Item No. AC (2024)

- Rules / regulations for University Convocation

Director Education proposed that the following Rules / regulations for University Convocation:

S. No.	Designation/Faculty	Description	Watermark Colour	Multi-Colour Colour
1	Chancellor, Vice-Chancellor, VVPs, Hon'ble Dean, Registrar (in-charge)	White A.I. covers Kurti and Pajama Kurti with Yellow color (Male)	Gold / green border (both very small)	Yellow with golden border and University logo and yellow border (Good style for front row on the Day)
2	University Council & Board of Management Members	White / off covers Kurti and Pajama Kurti with Yellow color	Gold / green border (both very small)	Yellow with green border and University logo
3	Academic Council Members	White / off covers Kurti and Pajama Kurti with Yellow color	Gold / green border (both very small)	Red with green border and University logo

Students of all faculties	White: Full sleeves Navy: collared with Navy collar (Boys) White: Full and Pants for (Girls)		> Light Blue with University logo with one strip for U.S. > Navy blue with University logo and two strips for PG. > Royal blue with University logo and three strips for Ph.D.
---------------------------	--	--	---

The Hon'ble Members of the Academic Council has accepted the following resolution:

"Resolved that the proposed Rules /regula for University Corporation the degree recipients' students are approved".

Agenda Item No. AC (2020)

➤ Dress code for students of the University

The Hon'ble Members of the Academic Council has accepted the following resolution:

"Resolved that the dress code for all the students admitted in the university shall be Blue or Navy Blue colour with university logo during the University Functions".

Agenda Item No. AC (2020)

➤ Letter to of Masters in Urban Horticulture.

Dean, Horticulture and formally proposed initiation of Masters in Urban Horticulture. The Chairman directed that the matter must be deliberated in PG board at Studies before presenting in the Academic Council.

Agenda Item No. AC (2020)

➤ Hike in Remuneration of Contractual Teachers (Assistant Professors) engaged in SOAST-J in Academic Arrangement basis

This matter has been debated for making over the detail LFR and Financial implication with other University by concerned Dean in consultation with the Controller, SOAST-Janna.

Agenda Item No. AC (58) 28

1. Provision of two posts of Assistant Professors one each in the disciplines of Bioinformatics and Nano-Technology.

The Director, Institute of Biotechnology proposed the creation of two Assistant Professor positions, one in Nano Technology and the other in Bioinformatics, to support undergraduate and postgraduate teaching as well as associated research activities.

The Hon'ble members of the Academic Council unanimously adopted the following resolution:

Resolved that:

- Two Assistant Professor positions (one in Nano Technology and one in Bioinformatics) be created in the Institute of Biotechnology.
- The matter shall be placed before the Board of Management (BoM) for approval of the said positions."

Agenda Item No. AC (76) 29

1. Holding of 9th Convocation of OJASAT-Awardees and award of Degree Honors.

The Hon'ble Members of the Academic Council has adopted the following resolution:

Resolved that: the degree be awarded to the pass-outs in various programs of the University as specified in Annexure-VI at the 9th convocation of the University and subsequently be presented during the upcoming Board of Management Meeting."

Agenda Item No. AC (56) 30

1. Award of Certificates of Merit & Gold Medals during the 9th Convocation.

The Hon'ble Members of the Academic Council has adopted the following resolution:

Resolved that

1. Award the certificates of Merit to the discerning pass outs in PG programmes B.Sc.(Ag.), Basic Science/ Horticulture and Forestry/ Agri. Engineering/ B.F.Sc. & Ph.D. (Agri.)/Voc.(Basic Science/ Horticulture and Forestry/ Agri. Engineering) having secured an CGPA of 8.3 and above on the 10.00 point scale in the 9th Convocation of the University, as detailed in Annexure-VII.

4. Resolve that award Gold Medal to postgraduate students achieving the highest CGPA in M.Sc. (Ag.), Basic Science, Horticulture and Forestry, Agricultural Engineering, and M.Tech. programs, as outlined in Annexure-IX.
5. Resolve that award the Professor A. N. Sanyal Memorial Gold Medal to topper of the M.Sc. Programme in the discipline of Vegetable Science, for outstanding achievement in the field of Vegetable Science as detailed in Annexure-IX.
6. Award Gold Medal to the students having demonstrated exceptional merit and met all the requirements in accordance with Chapter 7, Clause 7.2.1 (a) of AUC 2020 of SW/MSJ-Jammu in B.Sc./B.A./Agriculture/B.Tech. & A.M., and B.Sc./B.A./Veterinary programs as detailed in Annexure-IX.

Agenda Item No. AC (25) 21 : Inclusion of Mathematics course for students having Biology (PCB) at 10+2.

The Hon'ble Members of the Academic Council has adopted the following resolution:

"Resolved that the Basic Mathematics course (MATH-112, 3x8 credit hours, (kinematics)) be included as a compulsory course for students enrolled in the B.Tech. (Data Technology) program with a PCB background at the 10+2 level."

Agenda Item No. AC (25) 22 : Upgradation of Faculty of Basic Sciences into Faculty of Basic Sciences & Humanities.

The Dean, Faculty of Basic Sciences has submitted a proposal to strengthen and re-designate the Faculty as the 'Faculty of Basic Sciences and Humanities.' The National Education Policy (NEP-2020) envisions widening departments in disciplines such as Languages, Mathematics, Statistics, Physical Applied Sciences, Sociology, and other related subjects to foster a multidisciplinary and stimulating educational environment in higher education institutions.

The Hon'ble Members of the Academic Council has adopted the following resolution:

"Resolved that the upgradation of the existing Faculty of Basic Sciences to the Faculty of Basic Sciences and Humanities was approved as detailed in Annexure-IX and recommended to the Board of Management (BoM) for further deliberations."

Agenda Item No. AC (20) 13

- Regulating of admission to B.V.Sc. & A.H degree programs by a Veterinary College through a controlled counselling system.

The matter has been dropped

Agenda Item No. AC (20) 14

- Modification of course No. RAVEA AIA-421 and RAVEA AIA-422 (Agro-Industrial Attachment & FPOs Activities) in order to fulfill the minimum requirement of one month course duration of RAVEA AIA-422.

Head Division of Agricultural Extension Education proposed the modification of course No. RAVEA AIA-421 and RAVEA AIA-422 (Agro-Industrial Attachment & FPOs Activities) in order to fulfill the minimum requirement of one month course duration of RAVEA AIA-422.

The Hon'ble Members of the Academic Council has adopted the following resolution:

"Resolved that

- that the credit hours of course No. RAVE & AIA-421 are decreased from 6 to 5; Hence, the credits hours of that attachment in Orie College & NRE Research Station Attachment is increased from 0.2 to 0.3.
- that credit hours of RAVE & AIA-422 (Agro-Industrial Attachment & FPOs) shall be increased from 0.2 to 0.3 in order to fulfill the minimum requirement of one month course duration of Industrial Attachment of RAVE & AIA-422 interns.
- that modification in the credit hours of recommended courses shall be applicable only to the undergraduate students who are studying syllabus of 9th Dean's Committee Report."

Supplementary agenda item No. AC/20 | Introduction of NCC Courses in Biotechnology,
Horticulture, Agriculture, Agricultural Engineering and
Dairy Technology

The Hon'ble Member of the Academic Council has adopted the following resolutions:-

RESOLUTIONS

- a) Introduce 05 credit hours NCC course in the second and third years plus co-skill semester for BS programs in Biotechnology, Horticulture, Agriculture, Agricultural Engineering and Dairy Technology.
- b) Introduce a 05 credit hour NCC course as an option during the first four years of the B.Tech. & B.Arch degree program.
- c) Students may choose between NCC and NSS based on their interests and career goals.

The following is the list of Members

Signature
Member in Charge

Signature
Member in Charge

Annexure-I



Bhawan-Kashmir
University of Agricultural Sciences & Technology of
Jammu

LIST OF PARTICIPANTS-20th MEETING OF
ACADEMIC COUNCIL

1	Prof. B. N. Tripathi Vice-Chancellor	Ex-Officio Chairman
2	Dr. Anil Kumar Registrar and Dean P&A	Member Secretary
3	Dr. Balinder Dhillon Deputy Director, and Controller of Examination	Member
4	Dr. Sushil Kumar Gupta Director Research	Member
5	Dr. Anurag Kaul Director Extension	Member
6	Dr. Nagesh Kumar Director Planning & Monitoring	Member
7	Dr. Madan Lal Campus Director	Member
8	Dr. Rajesh Kumar Dean, F.V.Sc. & A.H., R.V.Para.	Member
9	Dr. S. J. J. J. J. Dean F&E	Member
10	Dr. Vikas Tandon Dean F&H	Member
11	Dr. Subhakar Dhillon Dean Food & Nutrition	Member
12	Dr. J. S. Soodan Dean, P&T	Member
13	Dr. Subodh Kumar Dean, P&A	Member
14	Prof. B. K. Saxena University Librarian	Member
15	Dr. R. K. Sanyal Director, Institute of Biotechnology	Member
16	Dr. Sandeep Kumar Secretary, Soil Science, IRIIAST-Kashmir	Expert Member
17	Dr. A. P. Singh Prof & Head, Division of Agronomy	Member
18	Dr. Pawan K. Sharma Prof & Head, Division of Agricultural Extension and AEM	Member

19.	Dr. Vinod Kumar Prof & Head, Division of Agricultural Extension Education	Member
20.	Dr. Vidula Dey Prof & Head, Division of Poultry Breeding and Genetics	Member
21.	Dr. Vinod Gupta Prof & Head, Division of Poultry Pathology	Member
22.	Dr. Kamlesh Tiari Prof & Head, Division of Sericulture	Member
23.	Dr. R.K. Gupta Prof & Head, Division of Tanninology	Member
24.	Dr. Ashok Kumar Prof & Head, Division of Veterinary Clinical Chemistry	Member
25.	Dr. Anurag Khat Prof & Head, Division of Livestock Production Management	Member
26.	Dr. Karan Sharma Prof & Head, Division of Veterinary Anatomy	Member
27.	Dr. Jyoti Devi Prof & Head, Division of Veterinary Physiology and Biochemistry	Member
28.	Dr. R.K. Sharma Prof & Head, Division of Animal Nutrition	Member
29.	Dr. S. R. Upadhyay Prof & Head, Division of Veterinary Animal Husbandry Extension Education	Member
30.	Dr. Anand Kumar Prof & Head, Division of Livestock Products Technology	Member
31.	Dr. Usha Sharma Prof & Head, Division of Veterinary Gynaecology and Obstetrics	Member
32.	Dr. H. R. Bhoslaw Prof & Head, Division of Veterinary Surgery and Radiology	Member
33.	Dr. Nandini Sharma Prof & Head, Division of Veterinary Medicine	Member

34.	Dr. N.R. Parida Prof & Head, Division of Pharmacology and Toxicology	Member
35.	Dr. Anish Yadav Prof & Head, Division of Veterinary Parasitology	Member
36.	Dr. Pooja Choudhary Prof & Head, Division of Veterinary Pathology	Member
37.	Dr. B.K. Sharma Prof & Head, Division of Veterinary Public Health and Equine Science	Member
38.	Dr. Debendra Prof & Head, Division of Animal Genetics and Breeding	Member
39.	Dr. Ashok Kumar Prof & Head, Division of Livestock Farm Complex	Member
40.	Dr. Satya Mandal Prof & Head, Division of Fisheries	Member
41.	Dr. Mani Gupta Prof & Head, Division of Biotechnology	Member
42.	Dr. Rajendra Singh Prof & Head, Division of Microbiology	Member
43.	Dr. Gurdev Chahal Prof & Head, Division of Plant Physiology	Member
44.	Dr. J.P. Singh Prof & Head, Division of Farm Machinery and Power Engineering	Member
45.	Dr. R.K. Srivastava Prof & Head, Division of Soil and Water Engineering	Member
46.	Dr. Prashant Mishra Prof & Head, Div. of Food Science and Centre for Organic & Natural Farming	Member
47.	Dr. Sankar Chandra Prof & Head, Division of Vegetable Science	Member
48.	Dr. Jagdish Singh Prof & Head, Division of Post-Harvest Management	Member

49.	Dr. R.K. Pandey Prof. & Head, Division of Ornithology and Landscaping	Member
50.	Dr. Sandeep Singh Prof. & Head, Division of Silviculture and Agroforestry	Member
51.	Dr. I.M. Gupta Prof. & Head, Division of Forest Products and Utilization	Member
52.	Dr. Surend Kumar Prof. & Head, Division of Dairy Technology	Member
53.	Dr. Vikas Sharma, As. Scientist, Research, ICAR, Rajouri.	Member
54.	Dr. Vijay Kumar, Chief Scientist ICRISAT, Patna.	Member
55.	Dr. Narendra Singh, METS, Ludhiana	Member
56.	Dr. Suresh Gupta, Professor & Head, Div. of Entomology	Member
57.	Dr. K.K. Sood (Professor) Agroforestry	Member
58.	Dr. Sachin Gupta (Professor) Plant Pathology	Member
59.	Dr. Anand Sati (Professor) Vet. Animal Nutrition	Member
60.	Dr. Manish Kumar Gupta (Professor) Agroforestry	Member
61.	Dr. Davinder Sharma (Professor) Entomology	Supporter
62.	Dr. Rajeev Dhand (Professor) Agroforestry	Supporter
63.	Ms. Supriya Khosla (A-22-D-511-A) Soil Science	Member

Annexure-II

25th
MEETING
OF
ACADEMIC COUNCIL

MINUTES



Sher-e-Kashmir
University of Agricultural Sciences & Technology of Jammu
Chatha, Jammu-180 008 (J&K)



25th

ACADEMIC COUNCIL MEETING

MINUTES



*Sher-e-Kashmir
University of Agricultural Sciences & Technology of Jammu
Chatha, Jammu - 180009*

**Minutes of 24th meeting of Academic Council**

The 24th meeting of the Academic Council was convened under the chairmanship of Dr. B.S. Tripodi, Hon'ble Vice-Chancellor, BUIWOT-Jammu, on the 1st May 2024, in the Conference Hall, BUIWOT-J, Chakri. The list of participants is attached as Annexure C. The meeting commenced with a warm welcome by Prof. Bushi Kumar Gupta, Registrar, BUIWOT-Jammu and Member Secretary, who extended greetings to the Chairman, Members, Guests, and all members present. In his opening remarks, Dr. B.S. Tripodi, Hon'ble Vice-Chancellor, said that the Academic Council plays an important role in formulation of regulations for governing the academic life of the university. He emphasized that the academic curriculum, faculty and students are the important elements forming the backbone of an institute. Dr. Tripodi said that enhancing quality of human resources is a prerequisite for implementing and upgrading various programmes, developing technologies, and making institutional arrangements to face challenges and harness opportunities in the agriculture sector. He stressed the need for improvement in academic environment of the University, for nurturing competency in the students to face multifarious challenges of life. The need for student exchange programme at the national and international level for promoting learning in education system was also emphasized. The education system should be tailored so as to equip the new generation with subject competency, self-motivation, positive attitude, soft business skills, knowledge of computer and information technology, and communication skills. He encouraged a shift towards a more engaging and participatory learning environment, fostering a culture of continuous improvement. He conveyed confidence in the faculty of BUIWOT-Jammu, expressing belief in their ability to achieve successful changes for making students so competent that they become brand ambassadors of the University.

The Registrar presented the agenda after seeking permission from the Chairman. The following agenda items were deliberated upon:

Agenda Item No. AC (20) 2 : Confirmation of minutes of 24th Meeting of Academic Council

The Member Secretary approved the house that the minutes of the 24th meeting of the Academic Council held on 04-12-2023 were circulated among the members via letter no. AC/ Acad / 2023-24 / P-04 / 8373-8423, dated: 08-12-2023 (refer to Annexure D). All members unanimously agreed to confirm the minutes of the



34th Academic Council meeting. Consequently, the House adopted the following resolution:

'Resolved to the minutes of the 34th Academic Council meeting, (MINUTES ARE ATTACHED) 2023-24/05/2373-8421. Dated 08-12-2023, were confirmed.'

Agenda Item AO(26)3 Dual Degree Programmes with Western Sydney University – Australia

Shree-Balaram University of Agricultural Sciences & Technology of Jammu (Jammu Territory of Jammu & Kashmir India) has entered in to MoU with Western Sydney University – Australia for offering an opportunity of dual degree for the Undergraduate and Postgraduate students in the following programmes:

- BSc (Hons) Agriculture
- BSc (Hons) Horticulture
- B Tech. (Hortotechnology)

The matter was deliberated in length and following resolution was adopted:

'Resolved the Institutionalisation of the Dual Degree Programmes with Western Sydney University – Australia from academic session 2024-25, with following modalities:

Modalities for Undergraduates for Dual Degree programmes:

The Indian Council of Agricultural Research (ICAR) which is the apex Governing Body of the Agriculture Education at the national level has signed MoU with the Western Sydney University equating the Student SEAT programme (Rural Entrepreneurship Awareness Development Scheme) offered in final year of degree programme in State Agriculture Universities (SAUs) with on-year academic attachment in Western Sydney University. The graduating students under this arrangement will be awarded two undergraduate degrees: one from Shree-Balaram University of Agricultural Sciences & Technology of Jammu and another from Western Sydney University, Sydney, Australia. The students earning degree from Shree-Balaram University of Agricultural Sciences & Technology of Jammu under this arrangement will have entitlement for admission into MSc programmes of all SAUs in India



including those offered by Mar-a-Kassabir University of Agricultural Sciences & Technology of Jordan. The degree offered by the Western Sydney University, Australia will have equivalence in all leading world universities, organizations / regions where the WSWU is recognized for further studies.

The dual degree offered will be as per the following articulations

Degree	Degree Articulation	
	First Degree from MOHESR-Jordan	Second Degree from WSWU-Australia
Agriculture	B.Sc. (Hons) Agriculture	B.Sc. (Agriscience)
Mathematics	B.Sc. (Hons) Mathematics	B.Sc. (Agriscience)
Electronics & Tech (Microtechnology)	B.Sc. (Hons) Electronics	B.Sc. (Hons) Electronics

The students opting for this dual degree arrangement will be attached to Western Sydney University (WSWU) in their campus at Sydney (Australia) for complete duration of final year of their degree programmes (7th and 8th semester). Western Sydney University, formerly the University of Western Sydney, is an Australian multi-campus public research university in the Greater Western region of Sydney, New South Wales, Australia.

The interested students have to meet the expenses of dual degree programmes at their own, however, work permit as per the rules of the Western Sydney University will be provided to the students for partially covering their living costs. Mar-a-Kassabir University of Agricultural Sciences & Technology of Jordan has formulated a Committee for International Study programmes which will provide all the details and assistance to the willing students by the respective license, wherein these programmes are proposed to be taken up in the first instance. A representative from Western Sydney University will provide all the logistic supports for furnishing application forms and completing other related formalities.

This dual degree (2+2) will make students eligible for direct admission into the BSc programmes (2+1+1) of Western Sydney University with writing



of first year enabling them to complete their M.Sc. degree in Western Sydney University in one year. The students will also be entitled for PhD degree in different programmes of the Western Sydney University.

Dual Degree Programme, at JNTU (Master in Research) and PhD degree of Philosophy with Western Sydney University – Australia

1. M. Res. (Master in Research)

Kharva Kharveer University of Agricultural Sciences & Technology of Jammu shall offering the option of dual degree for the post graduate students as per the following details of the M. Res. (Master in Research) programme:-

The students under this programme will get two degrees, one Master of Science and Equivalent Registered Discipline (MS&ERD)-Jammu and second Master of Research (M. Res.) at WOU Western Sydney University. The opting students shall have to complete course work at MS&ERD-Jammu and the research work will be carried out in Western Sydney University, Sydney Australia (after approval of Confirmation of Enrolment (COE). There will be two advisors, one from MS&ERD-Jammu (India) and second from WOU-Sydney (Australia). The maximum duration at WOU will be for one year. The student will have to submit two M. Res. theses one to MS&ERD-Jammu-India and second to the WOU-Sydney (Australia).

Following provision for tuition fee waiver during attachment with Western Sydney University is also available.

A grade of 80% or higher will lead to full tuition fee waiver for 12 months at the WOU.

A grade of 60% to 64% will have 75% tuition fee waiver at the WOU.

75% to 79% will have 50% tuition fee waiver at the WOU.

The interested students have to pay for their study (except for waived tuition fee as per their CGPA) and stay of Western Sydney University during their dual.



Degree programmes, however, work permit as per the rules of the Western Sydney University will be provided to the students for partially funding their living costs. The students obtaining degree from Sher-e-Kashmir University of Agricultural Sciences & Technology of Jammu under this arrangement will have entitlement for admission into PhD programmes at all SUs in India including those offered by the Sher-e-Kashmir University of Agricultural Sciences & Technology of Jammu. The degree offered by the Western Sydney University, Australia will have equivalence in all global leading universities/ organizations/ regions where the WU is recognized including PhD admission in WU- Sydney (Australia).

1. PhD (Doctor of Philosophy)

Sher-e-Kashmir University of Agricultural Sciences & Technology of Jammu shall be offering the option of dual degree for the PhD students as per the following details of the PhD (Doctor of Philosophy).

The students opted under this programme will get two degrees, one Doctor of Philosophy (PhD and its equivalent- Registered discipline) in SRUAST Jammu and second PhD at WU- Western Sydney University. The opting students have to complete course work at SRUAST Jammu and the research work will be carried out in Western Sydney University, Sydney (Australia). There will be two officers, one from SRUAST-Jammu (India) and second from WU- Sydney (Australia). The student will have to submit two PhD theses one to SRUAST Jammu/India and second to the WU- Sydney Australia.

Following provision for tuition fee waiver during attachment with Western Sydney University is also available.

GPA of 8.00 or higher or higher will lead to 100% tuition fee waiver for 12 months

GPA of 5.00-5.99 will lead to 75% tuition fee waiver

GPA of 3.00-4.99 will lead to 50% tuition fee waiver



The students obtaining degree from Bharat Karmaveer University of Agricultural Sciences & Technology of Jammu under this arrangement will have eligibility for placements/job avenues for all BEds in India including Bharat Karmaveer University of Agricultural Sciences & Technology of Jammu. The degree offered by the Western Sydney University, Australia will have equivalence in all leading universities/ organisations/ regions for placements/job avenues where the WOU (Australia) is recognised.

The interested students have to pay for their study (except for tuition fee as per their degree) and stay of Western Sydney University during their dual degree programme. However, work permit as per the rules of the Western Sydney University will be provided to one student for partially funding their living costs. Bharat Karmaveer University of Agricultural Sciences & Technology of Jammu has formulated a Committee for International Study programmes which will provide all the details and assistance to the willing students. A representative from Western Sydney University will provide all the logistic supports for submission of application forms and other documents.

Note: Tuition fee waiver shall be applicable as per the terms and conditions of the western Sydney University.

Agenda Item No. A2 (24) 2 : Ratification of the Amendments in sub clause 4.3.6.4 (b) and 6.10 of RRI 2020 and Amendments to be incorporated under Clauses 6.10.1 (a) and 6.10.2 (a)

Director Education had issued memo no AUJ/DE/2023-F-371/2423-35 dated 5/2/2024, AUJ/DE/2023-24/F-371/2423-45 dated 5.02.2024 and No AUJ/DE/2024-25/F-371/2423-35 dated 15-02-2024 for the amendments in sub clause 4.3.6.4 (b) and Clause 6.10 of RRI 2020, respectively and proposed amendments were incorporated under Clauses 6.10.1 (a) and 6.10.2 (a) of RRI of 2020 at SOICST-Jammu. The matter was discussed in detail in house and following resolutions were adopted:

Resolved to:

"The action taken vide order number AUJ/DE/2023-F-371/2423-35 dated 5/2/2024, AUJ/DE/2023-24/F-371/2423-45 dated 5.02.2024 and



ATTACHED/2024-25/F-44/27-28 DATED 12-04-2024 for the amendments in Clause 4.2.6.4 (a) & (c) and clause 4.2 of RMC 2020, respectively has been confirmed

Approved the amendments were incorporated under clause 4.2.1 (a) and 4.2.2 (a)

(c) Master Programmes:

A soft copy of the thesis (pdf format) shall be submitted to Director Education for external evaluation.

A signed copy of the approved synopsis of the student shall also be submitted along with the soft copy of the thesis

The soft copy of the thesis submitted by a student shall be sent to one External Examiner for evaluation who shall be appointed by the Director Education from a panel of at least 3 names recommended by the Dean, out of 10-14 recommended by Head of the Division concerned, in consultation with major adviser (PG Form W2).

(a) Ph.D. programmes:

A soft copy of the thesis (pdf format) shall be submitted to Director Education for sending it for external evaluation.

A signed copy of the approved synopsis of the student shall also be submitted along with the soft copy of the thesis

The soft copy of the thesis submitted by a student shall be sent to one External Examiner for evaluation who shall be appointed by the Director Education from a panel of at least 3 names recommended by the Dean, out of 10-14 recommended by Head of the Division concerned, in consultation with major adviser (PG Form W2).

- Agenda Item No. AC (20) 4 : Amendments: Clause 2.18(i) Publication of one research paper by Ph.D. scholar and Clause 5.2. Guidelines for Ph.D. Synopsis, respectively

Director Education vide no. ATT/20/2024-26/F-44/21 dated 18-04-2024 proposed the following amendments in Clause 2.18(i) regarding the publication of one research paper by Ph.D. scholar and Clause 5.2 of Chapter 5 of the RMC 2020 regarding guidelines for Ph.D. Synopsis:



- (b) Amendments in Clause 5.18(i) regarding the publication of one research paper by Ph.D. scholars

Clause 5.18(i) of RRI states it mandatory for Ph.D. students to publish one research paper before submission of thesis. Clause 5.18(i) is reproduced as under:-

"A Ph.D. scholar must publish at least one research paper in refereed journal and make two paper presentations in conferences/seminars before submission of the dissertation/thesis for adjudication, and produce evidence for the same in the form of presentation certificate and/or reprint."

Ph.D. students publishing the research paper from thesis before submission has resulted in the publishing paper in journals of low repute. It has also been observed that the students submit paper to predatory journal. This is defeating the purpose for which this rule was notified by the UGC and implemented in the University. To discourage this unethical practice, it is proposed that amendment be made in Clause 5.18 (i) as under:

"A Ph.D. student must have published/submitted one research paper from his/her thesis work in JGJG rated /UGC listed /Rangas Indusnet /Impact Factor journal (Clarivate Analytics) before the submission of thesis for external evaluation, and produce evidence of published/accepted/under review of the research paper submitted. The journal should be preferably with JGJG rating > 4.0 and not be in the UGC list of predatory journals. Besides, students should have made two paper presentations in conferences/seminars before submission of the dissertation/thesis for adjudication, and produce evidence for the same in the form of presentation certificate."

- (b) Amendments in Clause 5.3 of Chapter 5 of the RRI 2000 regarding guidelines for Ph.D. Synopsis:

- Ph.D. student shall submit the synopsis of his/her research (FD Form II) after following synopsis seminar in his/her Division. The synopsis seminar of Ph.D. students shall not be organized later than first week of the second semester.
- The student shall submit the synopsis (hard and soft copy) along with certificate of synopsis seminar through Major Advisor to Head of the Division to the Director Education for external evaluation of the synopsis by the external expert, not before the week of Professor visit seminar 5 years as Professor or equivalent.
- After receiving the comments from external expert, the advisor shall ensure incorporation of the suggestions/comments after due deliberations in the advisory committee of the student.
- Thereafter, the student shall submit the final synopsis to Director Education for approval. A checklist of changes incorporated as suggested by the external expert or referral shall be submitted with final synopsis through Major Advisor and Head of the Division to Director Education.



Date of submission of synopsis by the Major Advisor to the Head, shall be considered date of synopsis submission. The student shall not submit his/her thesis earlier than two years of the synopsis submission date.

Note: Proposed: An honorarium of Rs. 1000/- synopsis to external expert for synopsis evaluation.

The matter was discussed in detail in house and following resolutions were adopted:

Resolved to the amendments were to

- (i) Clause 2.12 (i) regarding the publication of one research paper by Ph.D. students as:**

"A Ph.D. student must have published/submitted one research paper from his/her master's work to AMAN rated JCR listed journals/indexed/abstracted Peer-reviewed journal (Electronic/Printed) before the submission of thesis for external evaluation, and produce evidence of published/accepted/under review of the research paper submitted. The journal should be preferably with AMAN rating > 4.0 and not be in the list of predatory journals. Besides, students should have made two paper presentations in conferences/seminars before submission of the dissertation/thesis for adjudication, and produce evidence for the same in the form of presentation certificate."

- (ii) Clause 2.2 regarding guidelines for Ph.D. Synopsis and are adopted:**

Ph.D. student shall submit the synopsis of his/her research (Ph.D. Form.11) after deliberating synopsis seminar in his/her institute. The synopsis seminar of Ph.D. students shall not be organized more than four weeks of the second semester.

The student shall submit the synopsis (hard and soft copy) along with certificate of synopsis seminar through Major Advisor & Head of the Division to the Director Education for external evaluation of the synopsis by the external expert, not below the rank of professor with minimum 5 years as professor or equivalent.

After receiving the comments from external expert, the advisor shall ensure incorporation of the suggestions/comments after due deliberations in the advisory committee of the student.



Thereafter, the student shall submit the final synopsis to Director Education for approval. A check list of changes incorporated as suggested by the external expert or rebuttal shall be submitted with final synopsis through Major Advisor and Head of the Station to Director Education.

Date of submission of synopsis by the Major Advisor to the Head, shall be considered date of synopsis submission. The student shall not submit synopsis earlier than one year of the synopsis submission date.

Note: Proposed an honorarium of Rs. 1000/- synopsis to external expert for synopsis evaluation.

These amendments will come into effect from academic Session 2024-25."

Agenda Item No. AC (26) 5 : Admission to UG, PG, Ph.D programs for academic session 2023-24.

The Member Secretary informed the House that the University conducted admissions for various UG, PG, and Ph.D. programs for the academic session 2023-24 through SUICAT-J CET-2023. Additionally, the University granted admission to candidates nominated by VC/ICAR for various programs. After detailed discussion, the following resolution was adopted:

"Resolved to the admissions granted to different UG, PG, and Ph.D. programs through SUICAT/J CET for the academic session 2023-24 are approved."

Agenda Item No. AC (26) 6 : Enhancement of fee and intake capacity for admission to Undergraduate, Postgraduate, and Doctoral Programs for academic session 2024-25.

The Director of Education proposed the enhancement of intake capacity for admissions to Undergraduate, Postgraduate, and Doctoral Programs, along with fee fee structure for the academic session 2024-25. To improve teaching and facilities within the Faculty of Veterinary Sciences and Animal Husbandry, the University plans to increase the number of seats under the BV/BA sponsored quota by twelve (12) for the B.V./Sc. & A.H. programs. This expansion aims to match educational offerings and strengthen the University's financial position through the revenue generated from these additional seats.

The Director of Education also recommended a 10 percent increase in fees. Additionally, amendments have been made to the Domestic and Exchange Reservation Rules, 2003, as per E.O. 176 dated 13-02-2024. In accordance with the regulations outlined in E.O. 176, the details of seats in each category have been calculated.



The Chairman remarked that the University should prepare a mechanism for the recruitment of Foreign Adjunct Faculty.

After detailed deliberations, the following resolution was adopted:

Resolved to:

- i. The University accepted the revised fee structure for the postgraduate section 2024-25 of per semester-6.
- ii. The University adopted S.O. 176 dated 15-02-2024 in Jammu and Kashmir Reservation Rules, 2006, and accordingly the seats matrix for postgraduate section 2024-25 was modified as annexure II.
- iii. 10% increase in intake capacity of PG subject to availability of candidates and availability of teaching faculty.
- iv. University to develop guidelines for Foreign Adjunct Faculty.

Agenda Item No. AC (20) 7 : Amendments of sub-clause (3) under clause 6.2 for Make-up examinations, Under clause 6.6.1.1 of RFE 2020 (sub-clauses a-d) sub-clause (a) for Supplementary examination, clause 6.16.1.1 (a) of RFE 2020 of SENIORITY of Jammu regarding allotment of major advisors for Masters and Doctoral students and others

Dean, Fed. vide no. UJJ/Dean-Fed./24-25/3-155/118 dated 15/4/2024 submitted the following agenda items for discussion:

- A. Amendment to sub-clause (3) under clause 6.2 as mentioned in point number 1 regarding Make-up examination

For PG students:

Normally, no make-up examination shall be allowed in lieu of the missed examinations. However, Dean may consider to allow make up examination only for missed like-term examinations under the following exceptional circumstances, i.e. Student's own hospitalization on account of serious illness.

It was resolved that:

"A student shall be allowed to appear in the mid-term examinations within 15 days of the end of the examination on account of valid illness subject to production of medical certificate (signed & stamped from Medical Officer of the University/SENIORITY Medical Officer of the Govt. Hospital countersigned by Block Medical Officer/City Medical Officer).



- B. Permission to appear in the end term examination for missed end term examination for UO students in line with the provision of makeup examination of PO students notified in the notification no. 73 (Acad.) of 2024 dated 16/01/2024

Resolved that UO students may be allowed to appear in the end term examination for missed end term examination in line with the provision of makeup examination of PO students notified in the notification no. 10 (Acad.) of 2024 dated 10/01/2024.

Resolved to the provision of makeup examination of PO students notified in the notification no. 10 (Acad.) of 2024 dated 10/01/2024 was adopted

- C. Display of marks obtained in the failed course

Resolved that marks obtained in the failed course should be reflected in the semester report of the student

- D. Marks obtained after rechecking of the end-term examination answer sheet.

Resolved to the word rechecking as written under clause 4.10 c & d of RRS 2020 should be replaced with recounting and marks recorded by a student both before and after re-counting of the end-term answer sheets shall be communicated to the student in person and columns reflecting the changes may be incorporated in the revised result proforma

- E. Increase in the time duration of mid-term examination of UO courses from 1 hour to 1.30 hours

Resolved to the duration of the mid-term examination for undergraduate courses be extended from 1 hour to 1 hour and 30 minutes

- F. Centralised PO End term Examination

Resolved to the Deans of respective faculties shall issue date sheet with information to Controller of Examinations. The Rooms shall be provided by the concerned course (Instructor)

- G. Issuance of ID card to UO students

Resolved to the Dean of the Faculty concerned shall issue ID card to the students of the respective faculty



- H. Permission to engage non-UG teacher of non-related teachers for teaching UG level courses with funds allocated to concern Deans.

“Resolved to the teaching assistants be engaged as per BIMA regulations for teaching purposes and concerned Deans of the different faculties be allotted the budget for the same.”

- I. Allocation of faculty teachers as course narrators from constituent units offering the course where subject matter operations are available.

“Resolved to the course GPAR 211 (Fundamentals of Plant Breeding) will be waived for the Faculty of Agriculture and the Institute of Biotechnology and will be offered in the same semester. Furthermore, the course GPAR 212 (Breeding Plant crops) offered by the Institute of Biotechnology, will be taught by instructors from both the Plant Breeding and Genetics (PBG) and the Institute of Biotechnology.”

- J. Inclusion of UG courses of Nematology in the catalogue of Division of Plant Pathology in the similar pattern of PG courses as per BIMA

“Resolved to include UG courses of Nematology in the course catalogue of Division of Plant Pathology however teachers from Entomology Division must continue to teach the courses of Nematology”

- K. Culling of the number of failed subjects should be worked off for undertaking supplementary examination

“Resolved to number of subjects for culling up supplementary examination should be kept as less than subjects, but the culling of the number of failed subjects should be waived off.”

- L. Amendment in clause 3.18.1.3(a) of BSI 2000 of REGENT of Deans regarding allotment of major advisors for Masters and Doctoral students.

“Resolved to include all the faculty members of the subject concerned irrespective of their place of posting (JACPA/ Research Students/ Other constituent units) in the roster for allotment of PG students and allotment of major advisors for PG/PhD be made accordingly, rest of the clause for allotment of major advisors will remain same”



Agenda Item No. AC (20) 2 : Modification in the pre-requisite for taking up Experiential Learning Programme (ELP), modification in rule no 4.3.5.3a b) of RML, Engagement of Ph.D. students as teaching Assistant, Profit sharing in Experiential Learning Units and others

- a. Modification in the pre-requisite for taking up Experiential Learning Programme (ELP).

Dean, Faculty of Horticulture and Forestry proposed that the student of B. Sc. (Hons.) Horticulture undergoing ELP may be allowed to register for maximum two courses in which they have failed but must have completed requisite percentage of attendance in those courses.

“Resolved that a student for taking up Experiential Learning Programme (ELP) shall be allowed to register for a maximum two courses in which they have failed but must have completed requisite percentage of attendance in these courses and same be followed in other streams/courses.”

- b. Addition of extra course irrespective of credit hours for modification in rule no 4.3.5.3a b) of RML:

“Resolved to:

- The student on good standing i.e. OGPS-5.5 may be allowed to register extra course over and above the maximum prescribed limit for a semester on the recommendation of adviser and approved by Dean concerned. Further Director Education is empowered to allow one more extra course irrespective of credit hours beyond Dean's allotment and extraordinary order may be forwarded to Vice Chancellor for consideration, if any.
- Increase the maximum credit limit in a semester from 26 to 27 for under graduate programs.”

- a. Timing of Experiential Learning Programme (ELP) from 1st to 7th Semester and Rural Horticulture Work Experience (RHWE) from 7th to 8th semester for B. Sc. (Hons.) Horticulture.

“Resolved that for B.Sc. (Hons.) Horticulture degree programme, Experiential Learning Programme (ELP) and Rural Horticulture Work Experience (RHWE) be offered in 7th Semester and 8th semester, respectively.”



3. Profit sharing in Experiential Learning Units

"Resolved to the profit sharing model, similar to that of the Faculty of Agriculture (Foa) at NRIET-2, will be adopted. The profit generated by Horticulture students will be deposited into the account of Dean, Faculty of Horticulture and Forestry (Foh&F). Additionally, existing Horticulture students may continue under the Faculty of Agriculture for their profit sharing."

4. Engagement of Ph.D. students as teaching Assistant

"Resolved that the Ph.D. students may be allowed to work as Teaching Assistant for 10 courses but without any financial assistance except NRIET scholarship. At the time of award of degree to the Ph.D. student, HoD will give experience certificate endorsed by Dean to add to his teaching experience."

Agenda Item No. AC (20) 9 : Revision of qualification at graduate level for M.Sc. in Agriculture (Agri. Statistics) degree Programme

The Dean, Basic Sciences proposed to revise the requisite qualification at graduate level for M.Sc. in Agriculture (Agri. Statistics) degree Programme

"Resolved to revised qualification at graduate level for admission to M.Sc. Agriculture (Agri. Statistics) degree Programme as proposed as one of the subject i.e., M.Sc. with statistics/ Mathematics /Computer applications/ B.Sc. (Hort./Agriculture)/B.Sc. (Hort./Horticulture)/B.Sc. (Forestry)/B.Tech. Biotechnology was adopted."

Agenda Item No. AC (20) 10 : Proposal for amendment in the MBA (AIM) Programme Curriculum

A proposal was received from Head, Division of AIM, and endorsed by the Dean, Foh and Director Education, wherein it has been submitted that under (BBA) for Special Branches (AIM), 70 credits have been allocated for the MBA (AIM) program, as given here under:

1. Major Courses: 20 credits
2. Minor Courses: 50 credits



1. Supporting Courses: 06 credits
4. Courses/Courses: 05 credits
2. Research: 05 credits
3. Thesis/Research: 20 credits (consent of)
 - a. Summer Internship: 10 credits (5 credits for preparatory courses + 5 credits for summer internship)
 - b. Research: 20 credits (10 credits for preparatory courses + 10 credits for project work)

According to the Head of the concerned division, it has been found that the research component of 20 credits consisted of 10 credits for preparatory courses, 05 credits for summer internship, and only 05 credits for project work as mentioned above at 2.10.4. This has created the problem whether to treat courses under research components as credit or non-credit courses. Because of this confusion it has been proposed by the Head ASB to adopt the procedure of grading the courses under research components in line of V.S. Parmar University of Horticulture and Forestry, Solan (H.P.).

More so, the Head, ASB has also proposed that one-time exemption on similar lines for the previous batches of ASB (ASB) 2020-23 and 2022-24 may be granted for previous two batches which has been recommended by the Dean, P.G. After detailed deliberations, it was resolved:

- i. "Referred to the procedure of grading the courses under research components in line of V.S. Parmar University of Horticulture and Forestry, Solan (H.P.) (Signature) to be adopted.
- ii. One-time exemption on similar lines for the previous batches of ASB (ASB) 2020-23 and 2022-24 be granted."

Agenda Item No. AC (20) 11 : Aggressive practical training for undergraduates, Intensive research exposure and Establishment of collaborative learning space in the university

1/a. Concerning B.Placement Cell vide no. 311/Placement cell/ 24-05/2-2/12 dated 24-05-2024 submitted the following issues for deliberation and discussion:

- a) Aggressive practical training for undergraduates.
- b) Intensive research exposure to undergraduates students.
- c) Establishment of collaborative learning space in the university



"Resolved to:

Conduct aggressive practical training for undergraduates

Give intensive research exposure to undergraduates students

Establish collaborative learning space in the university zone approved."

Agenda Item No. AC (20) 12 : Revision of Academic Rules/Academic
Regula of Convocation, SEUAST-Jamun.

Registrar informed the house that the university has recently introduced new undergraduates, postgraduates, and doctoral programs. In the first batch of graduates from these programs is set to be conferred degree in the forthcoming convocation. It has become imperative for SEUAST-Jamun to review and revise its academic rules and regula. After detailed deliberation, it was resolved:

"Resolved to frame a committee for finalising the
Academic Rules/Regula for the Convocation."

Agenda Item No. AC (20) 13 : Any other agenda with the
permission of Chair

- a. Modification of the course content of B20-B21 (Elementary Statistics
& Computer Education) offered to students of B.Sc. (Hons.)
Bachelors degree programme.

"Resolved that the changes as suggested by
Professor & Head, Division of Statistics and
Computer Science may be adopted the modified
course content is enclosed at Annexure 2.

The meeting ended with vote of Thanks


20/06/24

Registrar
Registrar Secretary


20/06/24
Hon'ble Vice-Chancellor



Annexure-I

**ACADEMIC COUNCIL**Date: 1st of May, 2024

Venue: Conference Hall
 881-437-Jamuna, Chhatra

Participating Board

1.	Prof. S.H. Tripathi, Hon'ble Vice-Chancellor	Ex-Officio Chairman
2.	Dr. Rajendra Puri Deputy Registrar (Acad. & R)	Member
3.	Dr. Anand Kumar Singh Regional Director Research	Member Executive Member
4.	Prof. Anirudh Vaid Deputy Registrar	Member
5.	Dr. Ranjay Khosla Deputy Planning and Monitoring, Acad. & R	Member
6.	Dr. Anil Kumar Dean, P&A, Chhatra	Member
7.	Dr. Rajesh Khosla Dean, T.V.Sc. & A.E., S.I. Pusa	Member
8.	Dr. Subhakar Divyash Dean, Student Welfare	Member
9.	Dr. P.D. Soodan Dean, PGD	Member
10.	Dr. Anand Sharma Dean, PGD	Member
11.	Dr. Vikas Tandon Dean, PGD&P	Member
12.	Dr. S.E.W. Ravi Dean, P&A	Member
13.	Dr. K.K. Sumantra Deputy Registrar, Library	Member
14.	Dr. M.S. Bhargava Coordinator of Examination	Member
15.	Dr. R.D. Jaiswal Deputy Registrar of Veterinary	Member
16.	Dr. Jyoti Kulkarni, Professor Head, Division of Agricultural Extension and A&E	Member
17.	Dr. Vikas Singh, Professor Head, Division of Plant Breeding and Genetics	Member
18.	Dr. Vikas Sharma, Professor Head, Division of Soil Science and Agri. Chemistry	Member
19.	Prof. S.K. Singh Head, Division of Plant Pathology	Member



20.	Dr. Harish Sharma Head, Division of Veterinary Microbiology and Immunology	Member
21.	Dr. Anura Khan Head, Division of Livestock Production Management	Member
22.	Dr. Shalini Jain Head, Division of Veterinary Anatomy	Member
23.	Dr. Jyoti Dora Head, Division of Veterinary Physiology and Biochemistry	Member
24.	Dr. Anirudh Ramesh Head, Division of Animal Nutrition	Member
25.	Dr. Kumar Kumar Head, Division of Veterinary Animal Husbandry Extension Education	Member
26.	Dr. Sand Kumar Head, Division of Livestock Production Technology	Member
27.	Dr. Umar Ansari Head, Division of Veterinary Gynaecology and Obstetrics	Member
28.	Dr. M.K. Shrestha Head, Division of Veterinary Surgery	Member
29.	Dr. Rishi Singh Head, Division of Veterinary Medicine	Member
30.	Dr. Hong Kishore Head, Division of Pharmacology and Toxicology	Member
31.	Dr. Parag Chavhan Head, Division of Veterinary Radiology	Member
32.	Dr. Anil Malik Head, Division of Public Health & Epidemiology	Member
33.	Dr. Anish Yadav Head, Division of Animal Genetics and Breeding	Member
34.	Dr. Manish Kumar Sharma Head, Division of Statistics and Computer Science	Member
35.	Dr. Sahar Shaid Head, Division of Pathology	Member
36.	Dr. Ganesh Galera Head, Division of Biochemistry	Member
37.	Dr. Suryakumar Singh Head, Division of Microbiology	Member
38.	Dr. Gurvir Chaud Head, Division of Mass Physiology	Member
39.	Dr. R.K. Saravanan Head, Division of Soil and Water Engineering	Member
40.	Dr. P.P. Singh Head, Division of Processing and Food Engineering	Member
41.	Dr. Prakash Ishak Head, Division of Food Science	Member



43.	Dr. Jayashree Singh Head, Division of Post-Graduate Management	Member
44.	Dr. R.K. Pandey Head, Division of Horticulture and Landscaping	Member
45.	Dr. Sankar Singh Head, Division of Education and Agriculture	Member
46.	Dr. Lalit Mohan Singh Head, Division of Forest Products and Utilization	Member
47.	Dr. A.P. Singh In. Nutrition, ACRN, Dehradun	Member
48.	Dr. Manoj Kumar Senior Lecturer, LBSA, Meerut	Member
49.	Dr. Suresh Singh Professor, MBBS, Patna	Member
50.	Dr. Ravindra Singh Joshi UGA, Udaipur	Member
51.	Dr. Anil Kumar Singh Professor, Institute of Kinesiology	Member
52.	Dr. Anil Kumar Professor, Division of Food Science	Supervisor
53.	Dr. Manish Kumar Mishra Professor, Division of Veterinary Pathology	Member
54.	Dr. N. Sharma Ph.D. Plant Pathology / Student Representative	Member



Annexure-II



FEE STRUCTURE FOR UNDERGRADUATE/POSTGRADUATE PROGRAMMES

(A) At the time of Admission for Undergraduate / Postgraduate / Ph.D. Programmes

Sl.No.	Particulars	Amounts (in Rs.)		
		Undergraduate Programmes B.Sc. (Hons) Agriculture B.Sc. (Hons) Horticulture B.Tech. Dairy Technology B.Tech. Food Processing B.Tech. Agricultural Engineering	Postgraduate Programmes	Ph.D. Programmes
A.				
1.	Admission fee	4175	5700	11000
2.	University Registration fee	1100	1675	3300
3.	Campus Library, Library fee (Library / refundable)	4100	4100	4100
4.	College Laboratory Development charges	880	1175	1175
5.	University Registration fee	880	1100	1175
6.	Tuition fee	1700	2200	4875
7.	Examination fee	1175	1175	1175
8.	Extra-Campus Admission fee	880	880	880
9.	Medical Examination fee	275	275	275
10.	Ug course fund / per session	275	275	275
11.	Library card	100	100	100
12.	Placement and counselling fee	100	0	0
13.	Education Fee	4100	0	0
14.	Alumni Fee	200	200	200
Total (A)		10815	10815	30500
B. Hostel Charges				
1.	Hostel Charges (Room rent & The Amenities)			
1.	Single hostel	400	400	400
2.	Double	1400	1400	1400
3.	1000 Hostel	400	400	400
4.	Hostel Security (refundable) for Ph.D. admission	1000	1000	1000
5.	Ug course security in case of Hostel security for host admission (refundable)	1000	1000	1000
6.	Hostel maintenance fund per semester	800	800	800
7.	Hostel security / boarding fee	200	200	200
8.	Campus Room Fund (Refundable)	400	400	400
9.	Examination charges for session	1700	1700	1700
10.	Examination charges for Session per student	4100	4100	4100
11.	Ug course Campus Charge	1700	1700	1700
(Total B)		10000	10000	10000
Total B		10000	10000	10000



i.	Single Room	1748	1748	1748
ii.	Dormitory	1679	1679	1679
iii.	NRI Rooms	1011	1011	1011
Grand Total (A+B)				
i.	Single Room	6864	6874	6868
ii.	Dormitory	6284	6289	6279
iii.	NRI Rooms	6911	7016	7011

(A) Learning Resource Fee (per semester)

S. No.	Particulars	Undergraduate Programs B.Sc. (Gen)/Agri/Gen B.Sc.(Gen)/Gen/Gen B.Tech. Dairy Technology B.Tech. Biotechnology B.Tech. Agri/Gen Engineering	Postgraduate Programs	Ph.D. Programs
(A)				
1.	Library Registration fee	100	110	110
2.	Patron fee	400	1100	1100
3.	Examination fee	120	120	110
4.	Exam/University admission fee	100	100	100
5.	Model Examination fee	20	20	20
6.	Library fee (per semester)	10	10	10
7.	Assignment fee	10	10	10
8.	Library fee	10	10	10
9.	Information development fee	10	10	10
10.	Library Police fee	10	10	10
11.	Water Charge	10	10	10
Total (A)		878	1260	1270
(B) Grant Charges (per semester)				
i.	Single Room	411	411	411
ii.	Dormitory	168	168	168
iii.	NRI Rooms	675	675	675
4.	Grant examination fee	10	10	10
5.	Grant library fee	10	10	10
6.	Grant exam fee	10	10	10
7.	Grant exam fee	10	10	10
8.	Grant exam fee	10	10	10
9.	Grant exam fee	10	10	10
10.	Grant exam fee	10	10	10
11.	Grant exam fee	10	10	10
Total (B)		1260	1260	1260
i.	Single Room	1078	1078	1078
ii.	Dormitory	1079	1079	1079
iii.	NRI Rooms	1011	1011	1011
C. Total (A+B)				
i.	Single Room	1748	1748	1748
ii.	Dormitory	1679	1679	1679
iii.	NRI Rooms	1011	1011	1011



(i) For program for self-financing status in addition to normal fees (per Semester)

S. No.	Programme	Category	Fees (Rs.)
1.	B.A. (Hons) Ag. B.A. / Hons. B.Sc.	100% Self-financing OOI	26,000/-
		Self-financing (U.T of NAF and Laidah domestic seats) (Cost of running expenses of OOI is 100%)	19,700/-
2.	B. Tech. Agri. Engineering	100% Self-financing OOI Self-financing	25,000/-
3.	B. Tech. Dairy Technology	Self-financing	25,000/-
4.	B. Tech. Food Processing	Self-financing	25,000/-
5.	M.B.A. (Hons) / Ag. / Hons. B.A. / Hons. B.Sc. (General) / B.A. (Hons) Agri. Business Management	Self-financing	25,000/-
6.	M.B.A. (Hons) Agri. B.A. / Hons. B.Sc. (General) / B.A. (Hons) Agri. Business Management	Self-financing	25,000/-
7.	M.B.A. (Hons) Agri. Business Management	Self-financing	25,000/-

B. V. & A. H.

(a) In the form of 1st admission for 1st year B.V. & A. H. Programmes.

S.No.	Particulars	Fee (Rs.)
1.	Admission fee	1000
2.	University Registration fee	1200
3.	Common Security Money for Library (refundable)	4000
4.	College Laboratory Development charges	1000
5.	Common Registration fee	1000
6.	Tuition fee	6000
7.	Examination fee	1000
8.	Time-Computer Admission fee	1000
9.	Medical Examination fee	800
10.	Chargen Fund (per annum)	200
11.	Library card	500
12.	Insurance and accident fund	200
13.	Educational Tax	7000
14.	Others Fee	100
Total - (a)		20000
1.	Grant Change (Common) fee Common	
2.	Single Grant	4000
3.	Common	1000
4.	NGO Grant	6000
5.	Grant Security (refundable) for both admission	1000
6.	Grant security in case of Grant security for both admission (refundable)	1000
7.	Grant maintenance fund for Common	100
8.	Grant maintenance fund for Common	100
9.	Common Fund (refundable)	400
10.	Common Fund (refundable)	400
11.	Common Fund (refundable)	400
12.	Common Fund (refundable)	400
13.	Common Fund (refundable)	400
14.	Common Fund (refundable)	400
15.	Common Fund (refundable)	400
16.	Common Fund (refundable)	400
17.	Common Fund (refundable)	400
18.	Common Fund (refundable)	400
19.	Common Fund (refundable)	400
20.	Common Fund (refundable)	400
21.	Common Fund (refundable)	400
22.	Common Fund (refundable)	400
23.	Common Fund (refundable)	400
24.	Common Fund (refundable)	400
25.	Common Fund (refundable)	400
26.	Common Fund (refundable)	400
27.	Common Fund (refundable)	400
28.	Common Fund (refundable)	400
29.	Common Fund (refundable)	400
30.	Common Fund (refundable)	400
31.	Common Fund (refundable)	400
32.	Common Fund (refundable)	400
33.	Common Fund (refundable)	400
34.	Common Fund (refundable)	400
35.	Common Fund (refundable)	400
36.	Common Fund (refundable)	400
37.	Common Fund (refundable)	400
38.	Common Fund (refundable)	400
39.	Common Fund (refundable)	400
40.	Common Fund (refundable)	400
41.	Common Fund (refundable)	400
42.	Common Fund (refundable)	400
43.	Common Fund (refundable)	400
44.	Common Fund (refundable)	400
45.	Common Fund (refundable)	400
46.	Common Fund (refundable)	400
47.	Common Fund (refundable)	400
48.	Common Fund (refundable)	400
49.	Common Fund (refundable)	400
50.	Common Fund (refundable)	400
51.	Common Fund (refundable)	400
52.	Common Fund (refundable)	400
53.	Common Fund (refundable)	400
54.	Common Fund (refundable)	400
55.	Common Fund (refundable)	400
56.	Common Fund (refundable)	400
57.	Common Fund (refundable)	400
58.	Common Fund (refundable)	400
59.	Common Fund (refundable)	400
60.	Common Fund (refundable)	400
61.	Common Fund (refundable)	400
62.	Common Fund (refundable)	400
63.	Common Fund (refundable)	400
64.	Common Fund (refundable)	400
65.	Common Fund (refundable)	400
66.	Common Fund (refundable)	400
67.	Common Fund (refundable)	400
68.	Common Fund (refundable)	400
69.	Common Fund (refundable)	400
70.	Common Fund (refundable)	400
71.	Common Fund (refundable)	400
72.	Common Fund (refundable)	400
73.	Common Fund (refundable)	400
74.	Common Fund (refundable)	400
75.	Common Fund (refundable)	400
76.	Common Fund (refundable)	400
77.	Common Fund (refundable)	400
78.	Common Fund (refundable)	400
79.	Common Fund (refundable)	400
80.	Common Fund (refundable)	400
81.	Common Fund (refundable)	400
82.	Common Fund (refundable)	400
83.	Common Fund (refundable)	400
84.	Common Fund (refundable)	400
85.	Common Fund (refundable)	400
86.	Common Fund (refundable)	400
87.	Common Fund (refundable)	400
88.	Common Fund (refundable)	400
89.	Common Fund (refundable)	400
90.	Common Fund (refundable)	400
91.	Common Fund (refundable)	400
92.	Common Fund (refundable)	400
93.	Common Fund (refundable)	400
94.	Common Fund (refundable)	400
95.	Common Fund (refundable)	400
96.	Common Fund (refundable)	400
97.	Common Fund (refundable)	400
98.	Common Fund (refundable)	400
99.	Common Fund (refundable)	400
100.	Common Fund (refundable)	400
(Total 11.00)		11000



Total - B		12550
1. Single Issue		8750
a. Domestic		8275
a. US Issues		1000
Grand Total (A + B)		
1. Single Issue		17740
a. Domestic		16575
a. US Issues		2000

2b. Reporting Semester Fee is reported year-wise for E.V. & A.N. Programs

S/N	Description	1st Year	2nd Year	3rd Year	4th Year
1.	Common Registration fee	175	175	200	175
2.	Course fee	1100	1100	870	1100
3.	Examination fee	270	270	415	270
4.	Inter/Computer Admission fee	250	250	415	250
5.	Material Examination book fee	10	10	10	10
6.	Magazine fee (per semester)	25	25	40	25
7.	Unassigned fee	100	100	145	100
8.	Library Fee	10	10	10	10
9.	Information & registration fee	175	175	200	175
10.	Student Welfare fee	30	30	30	30
11.	Plan Charge	25	25	40	25
Total - C		4900	4900	1760	4900

2c. Head - Charge (Academic)					
1.	1. Single Issue	825	825	1400	825
	a. Domestic	875	875	1014	875
	a. US Issues	1750	1750	1000	1750
2.	Head maintenance fee	175	175	204	175
3.	Library material & postage fee	40	40	67	40
4.	Common Issue Fee	10	10	10	10
5.	Electronic charge	100	100	120	100
6.	Common charge	100	100	120	100
7.	Head run Common Charge	1700	1700	4120	1700
(Total 2c-40)					
Total - (B)		4900	4900	1760	4900
1.	Single Issue	1400	1400	1004	1400
a.	Domestic	1474	1474	1010	1474
a.	US Issues	1700	1700	1000	1700
C. Total (A + B)					
1.	Single Issue	1040	1040	1474	1040
a.	Domestic	1074	1074	1400	1074
a.	US Issues	1400	1400	1330	1400



For students for S&S Financing fees in Addition to Normal Fees for B.C.Sc. & A.B. (per year)

S.No.	Programme	Category	Fees (Rs.)
3.	B.V.Sc. & A.B.	Non-S&S Sponsored /OCI	Rs. 1,00,000
		S&S Financing (S.T. & F&S) and Lubricants etc. (Ward of striving employee of S&S/AST-I)	Rs. 1,00,000

Other Charges

S.No.	Particulars	Normal Fee after 10% Discount (Rs.)
1.	Upgrades fee for the students enrolling in B.C.Sc. & A.B.	1000
2.	Index Documentary Migration fee	500
3.	Supplementary Computer exam fee per paper	500
4.	Re-Checking	225 / course
5.	Registration with fees for the second students twice for maximum of 7 working days from the date of registration	225 / fee
6.	Covers addition / withdrawal fee (per course)	225 / per course
7.	Special course fee	225 / per course
8.	Thesis submission fee B.C.Sc. & A.B.	1000
9.	Thesis submission fee Ph.D.	2200
10.	Diploma Degree Certificate	500
11.	Diploma Degree Certificate	1000
12.	Diploma Migration Certificate	1100
13.	Diploma Library Card	500
14.	Diploma Revised Degree Certificate	1100
15.	Diploma Renewal Degree Certificate	1100
16.	Diploma extra Certificate	100
17.	Transcript of students records	225
18.	Diploma transcript	1100
19.	Diploma in diploma with title	1100
20.	Diploma in diploma without title	225
21.	Re-admission	1000
22.	Fee for re-admission of students / fee for changed from the students at the time of first admission	225
23.	Examination Certificate fee shall be charged besides the above including upgrade except from the fee in Department from the students in year 2015-16	1000
24.	Registration fee for B.V.Sc. & A.B. students for Undergraduate Scholarship Program	5000

**Application Fee for SRI/AST – James Connors Election Fee (Non-refundable)**

Undergraduate Programmes	Application Fee	Application fee with late fee
Old System of 1st Year/1st Year of SRI/AST- Employees In-Service Course (Student category)	Rs. 2000/-	Rs. 2000/-
182* /183 Sponsored/OCI* category	Rs. 2000/-	Rs. 2000/-
Post graduate Programmes	Rs. 2500/-	Rs. 2500/-

182* Non-Resident Indian

OCI* Overseas Citizen of India



Annexure-III



Summary of Student and Postgraduate Degree Programmers in the Field of Agriculture Engineering

Sl. No.	Programme	4th Sem	5th Sem	6th Sem	7th Sem	8th Sem	9th Sem	10th Sem	11th Sem	12th Sem	13th Sem	14th Sem	15th Sem	16th Sem	17th Sem	18th Sem	19th Sem	20th Sem	21st Sem	22nd Sem	Total
1	Ag. Tech. Equip. Maintenance & Repair	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01
2	Ag. Tech. Equip. Maintenance & Repair	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01
3	Ag. Tech. Equip. Maintenance & Repair	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01
Total		03	03	03	03	03	03	03	03	03	03	03	03	03	03	03	03	03	03	03	03

Summary of Student and Postgraduate Degree Programmers in the Field of Agriculture

Sl. No.	Programme	4th Sem	5th Sem	6th Sem	7th Sem	8th Sem	9th Sem	10th Sem	11th Sem	12th Sem	13th Sem	14th Sem	15th Sem	16th Sem	17th Sem	18th Sem	19th Sem	20th Sem	21st Sem	22nd Sem	Total
1	Ag. Tech. Equip. Maintenance & Repair	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01
2	Ag. Tech. Equip. Maintenance & Repair	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01
3	Ag. Tech. Equip. Maintenance & Repair	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01
Total		03	03	03	03	03	03	03	03	03	03	03	03	03	03	03	03	03	03	03	03



Annexure-IV



Agenda-IV

Amendments in the MBA (AIM) Programme Curriculum

MBA (AIM) Programme Structure	Credits Eka.
Research Classroom Internship (Research Project)	26 (15-Cr)
AIM 161 Summer Internship: Industrial Attachment	4 Cr
Basic Courses mandatory for Summer Internship	
AIM 305 Communication for Management and Agri Business	3+0
AIM 140 Research Methodology for Agri Business Management	3+0
Research Project	10
Basic courses mandatory for Research Project	10
AIM 141 Computer Applications for Agri Business	3+0
AIM 102 Human Management and Agri Business Entrepreneurship	3+0
AIM 143 Agri Business Environment & Policy	3+0
AIM 144 Agri Business Law and Ethics	3+0
AIM 306 Project Work	8+0



Proposed B.Sc. (Hons.) Horticulture

Course Name: Elementary Statistics and Computer Application
Credit Hours: 10+0

Code: 222-111

Theory

Introduction to statistics, limitations of statistics. Basic concepts: Variable statistics, types and sources of data, classification and tabulation of data, construction of frequency distribution, tables, graphical representation of data: single, multiple component and percentage bar diagram, pie diagram, histogram, frequency polygon and frequency curve: average and measure of location: mean, median and mode for raw and grouped data. Dispersion: Range, standard deviation, variance, coefficient of variation for raw and grouped data. Probability: Basic concepts, addition and multiplication laws. Normal distribution, sampling, basic concepts, sampling vs complete enumeration, parameters and statistics, sampling methods, simple random sampling. Tests of Hypothesis: Basic concepts tests for equality of means and independent and paired tests, chi-square test for application of attributes and test for goodness of fit of standard normal. Correlation: Scatter diagram, correlation co-efficient and its properties, regression, fitting of single linear regression. Experimental design: Basic concepts, completely randomized design, randomized block design, Latin square design, Computer applications: Introduction to computers and personal computers, basic concepts, operating system, MS Word features of word processing, creating documents and tables and printing of documents, MS Excel-features of electronic spreadsheet, creating, editing, and saving of spreadsheet, built-in and user functions and formula bar, MS Power point-preparation, presentation of slides and slide show, introduction to Internet.

Practical

Construction of frequency distribution table and its graphical representation, histogram, frequency polygon, frequency curve, bar chart, single multiple, component and percentage bar charts, pie charts, mean, median and mode for raw and grouped data, coefficient of variation, χ^2 test for independence will equal and unequal variance, paired χ^2 test, chi-square test for contingency tables and statistical tables, correlation and linear regression. MS Office, Excel, PowerPoint.



Annexure-III



**Sher-e-Kashmir University of Agricultural
Sciences and Technology of Jammu**

**University Order No. 300 (Recy.) of 2024
Dated: 20.11.2024**

Re: Engagement as Professor of Practice at SKUAST Jammu

Ref: Letter of Offer of appointment as "Professor of Practice" issued vide No. ADJ/Recy./24-25/F-194/2781-2782 dated 06.11.2024

Consequent upon the acceptance of the offer of appointment communicated through email dated 11th November 2024, Mr. Gulshan Singh Rana, Head of Market Development and Cooperative Capability, Lead Commercial Capability & Community Based Crop Science, is hereby engaged as Professor of Practice under the "Industry-Funded Category" at Sher-e-Kashmir University of Agricultural Sciences and Technology (SKUAST), Jammu.

The initial term of engagement shall be for a period of one year, with extension up to a maximum of three years, subject to a performance evaluation in accordance with the University's assessment procedures. The extension shall be determined based on the expert contributions and the requirements of the institution.

The duties, responsibilities, and other general conditions for the position of Professor of Practice shall be as mentioned in the University Regulations No. ADJ/Reg./0-687/24-25/2745-2827 dated 31.10.2024. The above said engagement shall be without any financial compensation from the University.

Mr. Rana is required to take the assignment within 21 days from the date of issuance of this order otherwise the offer shall stand cancelled ab initio.

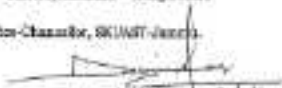
By Order

**Sd/-
Registrar**

**No. ADJ/Recy./24-25/F-194/2842-78
Dated: 20.11.2024**

Copy for information to:

- All Officers of the University of SKUAST Jammu.
- All Deans of Faculties/Director, School of Horticulture
- Dr. Sanjay Sharma, I/c Counselling and Placement Cell for Information
- Concerned
- All I/c Stations/Off-Stations/DNA/ACRPs of SKUAST Jammu.
- All Joint Registrars/Deputy Registrars/Deputy Commissioners, SKUAST Jammu.
- All AWC Registrars/Administrative Officers/Assistant Commissioners/Account Officers, SKUAST Jammu.
- RVC for kind information of the Hon'ble Vice-Chancellor, SKUAST Jammu.


**(Devinder Sharma) 20-11-2024
Assistant Registrar (Recy.)**

University Order No 342 (Reg.) of 2024
Dated: 11.12.2024

Ref: Engagement as Professor of Practice at SKUAST-Jammu.

Ref: Letter of Offer of appointment as "Professor of Practice" issued vide no. AUJ/Reg./24-25/F-194/2023-04 dated 21.12.2024.

Consequent upon the acceptance of the offer of appointment communicated through email dated 24 December 2024, Mr. Satinder Singh Nandwa, Vice President, Technical & Supply Chain, Kandhari Beverages Pvt. Ltd, Jammu, is hereby engaged as Professor of Practice under the "Industry-Funded Category", at Shri Chaitanya University of Agricultural Sciences and Technology (SKUAST), Jammu.

The initial term of engagement shall be for a period of one year, with extension up to a maximum of three years, subject to a performance evaluation in accordance with the University's assessment procedure. The extension shall be determined based on the expert recommendations and the requirements of the Institution.

The duties, responsibilities, and other general conditions for the position of Professor of Practice shall be as mentioned in the University Notification No. AUJ/Reg./24-25/F-194/2023-04 dated 21.12.2024. The above said engagement shall be without any financial compensation from the University.

Mr. Nandwa is required to take the assignment within 30 days from the date of issuance of this order otherwise the offer shall stand cancelled w.e.f. 30.12.2024.

By Order

(Sd/-)
Registrar

No: AUJ/Reg./24-25/F-194/2023-04

Dated: 11.12.2024

Copy for information to:

- All Officers of the University of SKUAST-Jammu.
- All Deans of Faculties/Director, School of Distance Study.
- Dr. Satyraj Gulera, I/c Counselling and Placement Cell for Information.
- Mr. Satinder Singh Nandwa, Vice President, Technical & Supply Chain, Kandhari Beverages Pvt. Ltd, Jammu.
- All I/c Stations/Sub-Stations, SOs/AOs/ACOs of SKUAST-Jammu.
- All Joint Registrars/Deputy Registrars/Deputy Commissioners, SKUAST-Jammu.
- All Asst. Registrars/Administrative Officers/Asst. Commissioners (Asst. Officers, SKUAST-Jammu).
- For the kind information of the Hon'ble Vice-Chancellor, SKUAST-Jammu.

(Signature)
(Deputy Registrar)
Assistant Registrar (Reg.)

Annexure-IV

विषयानुक्रमणी

संख्या:	पान:	पान/पंक्ति
---------	------	------------

प्रथमः भागः

1. प्रथमः भागः
 - 1.1 प्रथमः भागः प्रथमः भागः
 - 1.2 द्वितीयः भागः द्वितीयः भागः
 - 1.3 तृतीयः भागः तृतीयः भागः
 - 1.4 चतुर्थः भागः चतुर्थः भागः
 - 1.5 पञ्चमः भागः पञ्चमः भागः
 - 1.6 षष्ठः भागः षष्ठः भागः
2. द्वितीयः भागः
 - 2.1 प्रथमः भागः द्वितीयः भागः
 - 2.2 द्वितीयः भागः द्वितीयः भागः
 - 2.3 तृतीयः भागः तृतीयः भागः
 - 2.4 चतुर्थः भागः चतुर्थः भागः
 - 2.5 पञ्चमः भागः पञ्चमः भागः
 - 2.6 षष्ठः भागः षष्ठः भागः
 - 2.7 सप्तमः भागः सप्तमः भागः
3. तृतीयः भागः
 - 3.1 प्रथमः भागः तृतीयः भागः
 - 3.2 द्वितीयः भागः द्वितीयः भागः
 - 3.3 तृतीयः भागः तृतीयः भागः

द्वितीयः भागः

4. पदार्थः संख्या:

- | | | |
|-----|--------------|---|
| 4.1 | उत्तरः पदः | अन्तर्गतितं धनं नृ-नदी उद्योग |
| 4.2 | द्वितीयः पदः | अन्तर्गतितं धनं नृ-नदी उद्योग |
| 4.3 | तृतीयः पदः | अन्तर्गतितं धनं नृ-नदी उद्योग |
| 4.4 | चतुर्थः पदः | अन्तर्गतितं धनं नृ-नदी उद्योग |
| 4.5 | पञ्चमः पदः | अन्तर्गतितं धनं नृ-नदी-नृ-नदी-
नदी-नदी उद्योग |
| 4.6 | षष्ठः पदः | उत्तरः उद्योग |
| 4.7 | सप्तमः पदः | उत्तरः उद्योग - उत्तरः उत्तरः नृ-
नदी नृ-
नदी नृ- |

5. पदार्थः संख्या:

- | | | |
|-----|--------------|-------------------------------------|
| 5.1 | उत्तरः पदः | विद्युत्-विद्युत्-विद्युत् |
| 5.2 | द्वितीयः पदः | विद्युत्-विद्युत्-विद्युत् |
| 5.3 | तृतीयः पदः | विद्युत्-विद्युत्-विद्युत् |
| 5.4 | चतुर्थः पदः | विद्युत्-विद्युत्-विद्युत्-विद्युत् |

6. पदार्थः संख्या:

- | | | |
|-----|--------------|---|
| 6.1 | उत्तरः पदः | विद्युत्-विद्युत्-विद्युत्-विद्युत्-विद्युत् |
| 6.2 | द्वितीयः पदः | विद्युत्-विद्युत्-विद्युत्-विद्युत्-विद्युत् |
| 6.3 | तृतीयः पदः | विद्युत्-विद्युत्-विद्युत्-विद्युत्-विद्युत् |
| 6.4 | चतुर्थः पदः | विद्युत्-विद्युत्-विद्युत्-विद्युत्-विद्युत् |
| 6.5 | पञ्चमः पदः | विद्युत्-विद्युत्-विद्युत्-विद्युत्-विद्युत् |
| 6.6 | षष्ठः पदः | विद्युत्-विद्युत्-विद्युत्-विद्युत्-विद्युत् |
| 6.7 | सप्तमः पदः | विद्युत्-विद्युत्-विद्युत्-विद्युत्-विद्युत् |
| 6.8 | अष्टमः पदः | विद्युत्-विद्युत्-विद्युत्-विद्युत्-विद्युत्-विद्युत्-विद्युत्-विद्युत् |

Syllabus
Sanskrit Language
Part-C

विश्वसाधुकाव्यगी

पङ्क्तिः	विषयः	सप्त विकृतयः
1. अथः पङ्क्तिः	'अथ' पदम्	अथ / अथ / अथ
2. द्वितीयः पङ्क्तिः	'अथ' पदम्	अथ / अथ / अथ
3. तृतीयः पङ्क्तिः	'अथ' पदम्	अथ / अथ / अथ
4. चतुर्थः पङ्क्तिः	'अथ' पदम्	अथ / अथ / अथ
5. पञ्चमः पङ्क्तिः	'अथ' पदम्	अथ / अथ / अथ
6. षष्ठः पङ्क्तिः	'अथ' पदम्	अथ / अथ / अथ
7. सप्तमः पङ्क्तिः	'अथ' पदम्	अथ / अथ / अथ
8. अष्टमः पङ्क्तिः	'अथ' पदम्	अथ / अथ / अथ
9. नवमः पङ्क्तिः	'अथ' पदम्	अथ / अथ / अथ
10. दशमः पङ्क्तिः	'अथ' पदम्	अथ / अथ / अथ
11. एकादशः पङ्क्तिः	'अथ' पदम्	अथ / अथ / अथ
12. द्वादशः पङ्क्तिः	'अथ' पदम्	अथ / अथ / अथ
13. त्रयोदशः पङ्क्तिः	'अथ' पदम्	अथ / अथ / अथ
14. चतुर्दशः पङ्क्तिः	'अथ' पदम्	अथ / अथ / अथ
15. पञ्चदशः पङ्क्तिः	'अथ' पदम्	अथ / अथ / अथ
16. षोडशः पङ्क्तिः	'अथ' पदम्	अथ / अथ / अथ
17. सप्तदशः पङ्क्तिः	'अथ' पदम्	अथ / अथ / अथ
18. अष्टादशः पङ्क्तिः	'अथ' पदम्	अथ / अथ / अथ

पदः	विषयः	उत्तरं लिखतु
19. लघोर्ध्वः पदः	'महीधृतुं प्रीतिं प्रयत्नः'	लघु / लघु
20. विरुः पदः	'गुणकुल'	गुण
21. लघोर्ध्वः पदः	'रन्तुलान'	रन्तुलान-विभक्तिः
22. द्विवचनः पदः	'बन्धु'	बन्धु-विभक्तिः
23. लघोर्ध्वः पदः	'अवयव'	अवयव-विभक्तिः
24. लघोर्ध्वः पदः	'संस्कृतभाषा'	संस्कृत-विभक्तिः
25. लघोर्ध्वः पदः	'रघुपात्र'	रघुपात्र-विभक्तिः

Syllabus

French Language

COURSE NAME: French Proficiency Skill 1 **COURSE CODE:** FPL507 **CREDIT HRS:** 1-0

COURSE OBJECTIVES

Students will have the opportunity to perfect the skills acquired by introducing to the French language and understanding the basic vocabulary.

COURSE OUTCOMES

1. To be able to construct basic French sentences
2. To have the ability to understand the basic French vocabulary
3. To demonstrate a knowledge of French Culture
4. To compare and contrast cultural practices related to French and other Country.
5. To demonstrate critical thinking and collaborative problem-solving through advanced task-based language activities.

UNIT 1: ET VOUS

Compétences: Se présenter, demander de se présenter. Donner des informations personnelles. Demander et donner des coordonnées.

Grammaire: Les adjectifs de nationalité. Les articles définis (le, la, l', les). Les prépositions devant les noms de villes et de pays. La négation.

Vocabulaire: Les personnes, les loisirs, les animaux ou le ... Les pays et nationalité.

Le présent: Les verbes (I, tu, il, elle, on, nous, vous, ils, elles).

Le futur: Les verbes (I, tu, il, elle, on, nous, vous, ils, elles).

Le passé: Les verbes (I, tu, il, elle, on, nous, vous, ils, elles).

UNIT 2: C'EST LA VIE

Compétences: Comprendre ce qui se passe. Comprendre ce qui se passe. Comprendre ce qui se passe.

Grammaire: Les articles définis et indéfinis. Les verbes au présent (continuer).

Le présent interrogatif: Les verbes au présent (continuer).

Le présent négatif: Les verbes au présent (continuer).

Vocabulaire: La ville (les rues, les lieux, les monuments, les transports, les professions, les animaux, les vêtements).

Le futur: Les verbes au futur (continuer). La présentation des verbes au futur (je, tu, il, elle, on, nous, vous, ils, elles).

Semestre II: Civilisation: Paris, Marseilles, deux villes à découvrir

UNITÉ III: Où est-ce qu'on mange?

Communications: Comprendre: Donner des horaires d'ouverture, Faire des réserves, commander un restaurant, se côtoyer

Grammaire: Le singulier et le pluriel des noms, Les propositions de lieu, La quantité soit définie (partir de + un peu de, beaucoup de), Le pronom ce

Verbes: payer, acheter, faire, manger

Vocabulaire: Les magasins, la nourriture: les restaurants et cuisines, les tavernes, les cafés, les quantités, les moyens de paiement, Au restaurant on offre: les plats, les boissons, la verrerie, les plats postérieurs

Phonétique: Le e final non prononcé, le e final prononcé, La consonne finale ou prononcée

Semestre II: Civilisation: Québec (Québec/Québec) Où est-ce que vous mangez?

UNITÉ IV: LES SOUS-LES, C'EST PARTI

Communications: Faire un moment dans l'année, Donner une appréciation sur un vêtement, Comprendre une affiche pour s'habiller selon le saison, Parler de la mode, Demander: Dire la taille et la couleur, Décrire un objet dire à quel est, Demander: Dire un prix

Grammaire: La négation et la double négation, La place des adjectifs, La forme positive et la forme négative, L'adjectif démonstratif

Verbes: Vouloir

Vocabulaire: Les vêtements et accessoires, les matières, les couleurs, La saison et les températures, Les objets technologiques, les objets de quantités, les caractéristiques des objets (forme, taille, poids)

Phonétique: L'élision (j', c', t', n', d'), Les voyelles en [e] et en [a]

Semestre II: La mode, un vêtement à vendre

UNITÉ V: C'EST QUE LE PROGRAMME?

Communications: Parler de ses activités quotidiennes, Demander: Dire l'heure, Proposer une sortie: dire un rendez-vous, Accepter: Refuser un rendez-vous, Rester ou partir

Grammaire: Les verbes pronominaux au présent (se lever, s'occuper), Le Subjonctif (quand, de temps en temps, souvent, tous les... tout le temps, toujours), L'imperatif (aller, venir, regarder), L'infinitif et le participe

Verbes: Pouvoir, vouloir

Vocabulaire: L'heure, les activités quotidiennes, les actions managées, le temps libre, les sorties, les activités culturelles

Phonétique: Les sons [t] [p], Les sons [y] [ø]

Semestre II: Civilisation: Québec (Québec/Québec) Où est-ce que vous mangez?

1. *Library word* – single word (the 1st 50 words / 100 words) can be read.
2. *Libraryary* – once heard a word may be utilized in libraryary comprehension activities if there is interest in a language libraryary.
3. *Group activities* – role play and educational games can be combined.

REFERENCE BOOKS:

- Marc Gregoire, Odile Thiébaux - *Grammaire progressive du français*. Nouvelle édition. Livre enseignant. LP, 2017.
- Les Brevetés Européens, Victoria Iglesias et Fendula - *Les 1st An 1/2 et 2/3 ans*. BELIN EDUCATION, 2017.
- *Écrire pour les enfants* - *Comptines et poésies*. Éditions de l'Éclat, 2017.
- Hugues Denicot - *Les 1st An 1/2 et 2/3 ans*. HACHETTE PLE, 2018.

PRESCRIBED BOOKS:

- Edito Niveau A1. Dreyel Publication.
- Larousse 2012
- Librairie Arthème Fayard, 2013

E-Learning Resources:

1. <https://www.mel.fr/>
2. <https://www.stone.fr.com/>

COURSE OBJECTIVES

Students will have the opportunity to perfect the skills acquired in terms of grammar and sentence structure while increasing their vocabulary through the assistance of communication.

COURSE OUTCOMES

1. To understand the main idea and some detailed aspects of complex or unfamiliar texts.
2. To show emerging awareness of aesthetic properties of language
3. To recognize the role of cultural knowledge in understanding written texts.
4. To narrate and describe in past, present and future
5. To show an emerging ability to understand complex discourse.

UNIT: I (30-40 minutes)

Communication: Comprendre un texte générique, Présenter sa famille, Présenter sa ville ou son village, Décrire le physique et le caractère d'une personne.
Grammaire: Les adjectifs possessifs, Le passé composé avec avoir (réviser), L'été est chaud, Elle est, Les indicateurs de temps du passé et du futur
Vocabulaire: La famille, l'enfance, la situation familiale, les événements de la vie, La description physique et la caractérisation
Phonétique: Les voyelles nasales [ɛ] [ɛ̃], les voyelles orales [e] [ɛ]
Socio-culturel: Les fêtes en France

UNIT: II (30-40 min)

Communication: Comprendre un texte des lieux simples, se reconnaître et se situer, Comprendre un règlement intérieur d'une école, expliquer des règles de vie commune, s'excuser dans un message, expliquer un problème domestique simple
Grammaire: Les pronoms COD (le, la, l') (réviser), les propositions de lieu (à, de), l'obligation et l'interdiction (il faut, il ne faut pas), le présent y
Vocabulaire: Le logement, les pièces, les meubles, l'équipement, l'immobilier, les réparations, les professions
Phonétique: Les sons [ʃ] [ʃ̃], Les sons [y] [ɥ]
Socio-culturel: Civilisation Française (logement)

UNITÉ III: SOUVENIR VACANCES

Communication: Comprendre a l'écrit de réservations en ligne, exprimer la préférence. Raconter, écrire ou oral: formal, écrire ses courtes postales, exprimer des sensations, une sensation positive, exprimer la surprise

Grammaire: Le comparatif (1) adjectif avec plus + adjectif + que, Les verbes en -er au présent (clarifier, partir), le passé composé (2) avoir été, l'imparfait des verbes impersonnels (il y avait, il y avait, il faisait)

Vocabulaire: Les voyages l'hébergement, le transport, les services, les objets, les sensations, les émotions, s'occuper

Phonétique: Les sons [œ] [ø], les sons [ɔ] [ɑ]

Texte/Document/ Civilisation: Culture voyage UNITÉ

IV: PAR ET CHANCE!

Communication: Se présenter /présenter quelqu'un, donner une explication (pourquoi... parce que), exprimer une émotion négative, comprendre des règles de sécurité médicale, donner des conseils (le poids et la taille, donner des conseils en voyage)

Grammaire: Le passé composé (2) (verbes pronominaux, s'accuser), l'obligation et l'interdiction (2) (fallait, devoir), les pronoms COD lui et leur, le conseil

Vocabulaire: Les petits problèmes du quotidien, les émotions négatives, les parties du corps, chez le médecin, chez le pharmacien

Phonétique: Les sons [ʃ] [ʒ], l'accentuation tonomatique

Texte/Document/ Civilisation: Clinica et médicaments

SEVENTH: HEALTHY HABITS

Communication: Comprendre un programme d'échange universitaire. Décrire une expérience positive, exprimer la loi, exprimer le souhait, ce qui est profondément, exprimer une opinion, une compétence, connaître des faits, modernisation.

Grammaire : La condition (si + présent), le vœu, la continuation, les pronoms relatifs, qui et que, l'impératif.

Vasculaire 1 : comprendre le système, les personnes, les études, les distributions.

1. entreprises, la vie professionnelle, les services, les personnes, les conditions de travail, les titres, les compétences.

Pharmazie, Pharmazie (K) Journal (K)
 Landwirtschaftliche Universität, L

PRODUCED BY

- 1. **Language tests** are complex activities that require an explicit description of what is being tested.
- 2. **Language tests** sample tasks that the language learner can do (VDO) correctly and be read.
- 3. **Constructive** - over time a task may be altered to function as a comprehension activity if there is a change in a language laboratory.
- 4. **Group activities** - role play and situational games can be conducted.

REFERENCE BOOKS:

- *Maie Gregoria, Ode à Tereza - Transcrição e tradução de Tereza J. Nogueira*
edição Livre Intelectual, LP, 2017
- *Dr. Desampar Henrique, Vitoria Iglesias e Família - Carta de amor a Tereza*
BLENDEDUCATION, 2017
- *Syria poematique - Les guerres en deux versos / Poésie de l'Europe*
Publications Int. C/O International, 2017
- *Thèmes Divers - Les Poètes Chrétiens* BACHETTE P.E. 2018

PREFACE

- Edin Niven. Al. Deyi Publications
- Lancet 2012
- Libraria Arthema Favard. 2013

E-Learning Resources:

1. <https://www.mcafee.it/>
2. <https://www.cit.psu.edu/>

Annexure-V



Shri. K. K. K. K.
University of Agricultural Sciences and Technology of Jammu
Directorate of Education

Prof. Dr. K. K. K. K.
Director of Education
University of Agricultural Sciences and Technology of Jammu
Jammu

Memorandum

Subject: Guidelines for Masters & Ph.D. research/bilateral programmes and students nominated for research work by other universities/institutions.

As recommended by the Committee constituted vide No. AG/113K/2024/257-252/119/22 dated 04-07-2024, and approved by the Competent Authority, the guidelines for research/bilateral programmes and students nominated for research work by other universities/institutions are hereby notified.

A. The guidelines for Masters & Ph.D. research/bilateral programmes:

- i. Preparation of study/research shall be done by the student advisory committee constituted by the parent university with a member from the parent university/institution. Joint Advisory Committee thus constituted should be approved where motion has registered for the degree programme.
- ii. The joint advisory committee after its constitution will formulate the research programme/research of each student.
- iii. The students shall have to spend a minimum residency period of one semester (two months) in case of both Masters and Ph.D. programmes in the parent university/institution.
- iv. Residency period in SRIKAST Jammu shall include some research work or both.
- v. The student shall submit single thesis where motion has registered for the degree programme.
- vi. Provisioned fee shall have to be paid to the SRIKAST Jammu for the period of residence/residency in SRIKAST Jammu.
- vii. Each participating institution shall issue separate transcripts for respective research/research credit where, within specified period, and it is to be reflected in the transcript by the institution/university where the student has registered for the degree programme.

B. The conditions proposed for allowing the nominated students of Cluster University other universities/institutions for conducting research at SRIKAST Jammu

- i. Any student nominated by any institutions or university for conducting their research work for one semester in SRIKAST Jammu shall have to pay for the fee that transfer to the university. Besides, there shall be one supervisor from SRIKAST of Jammu to oversee the research work.

(Signature)



Shri A. Kashyap
University of Agricultural Sciences and Technology of Jharkhand
Directorate of Education

Prof. Ashwini Kumar
 Director Education
 University of Agricultural Sciences and Technology of Jharkhand
 P.O. Box 100, Jharkhand
 Phone: 0354-2611111
 Fax: 0354-2611111

- C. Additional guidelines proposed under A & B above, the students nominated have to adhere to:
- Students must follow the Regulations on Student Instructions (RSI) of SKUAST-Jamshedpur. This includes maintaining academic integrity, attending classes regularly, and fulfilling all academic requirements of the said RSI.
 - Students are expected to uphold the highest standards of discipline and conduct. This means abiding by the rules, regulations, and policies, and behaving in a manner that reflects positively on the University.
 - Smoking is strictly prohibited. Any student found smoking or using tobacco products will be subject to severe disciplinary action as per the University's anti-smoking policy.
 - Students must maintain a professional and academic demeanor throughout the program.

The guidelines above are to be read with immediate effect, and may be placed before next Academic Council Meeting for ratification.

Dr. A. Kashyap
 Director Education

Dr. Ashwini Kumar
 Director Education
 23.07.2024

Page 10

- All Directors SKUAST of Jharkhand for information.
- All Deans of the Faculties of SKUAST-Jamshedpur for information.
- Register, SKUAST-Jamshedpur for placing the same in the next Academic Council Meeting for ratification.
- Computer, SKUAST-Jamshedpur for information.
- Controller of Examinations, SKUAST-Jamshedpur for information.
- Director Institute of Technology, SKUAST-Jamshedpur for information.
- SVC for final information of the Hon'ble Vice-Chancellor.

Annexure-VI



Dr. A. K. Chakrabarti
University of Agriculture, Fisheries and Technology of Jamaica
Institute of Biotechnology, Clarendon 900000

Dr. R.K. Burgess
Director

Dear Sir (Academic):
RE: IAST-AST-13

Re: IAST-AST-13
Date: 10-12-2001

Subject: Report on the IAST Academic Council Meeting of 2001-2002-2003.

Kindly find enclosed herewith Agenda Item along with detailed minutes of the meeting regarding "Institutionalization of M.Sc. (Biotechnology) Programme in Institute of Biotechnology, IAST-AST-13" for reference and consideration in IAST Meeting of Academic Council of the University.

The resolution has been designed and recommended by the Academic Committee of Institute of Biotechnology coordinated with letter No. IAST-AST-13-110-0042, dated 10-12-2001.

Enclosed for further work in the meeting please.

Thanking you,

Yours faithfully,

(Dr. A. K. Chakrabarti)

Copy

- 4 - Report, IAST-AST-13, Clarendon for information

Agenda Item for XXIVth Meeting of Academic Council pertaining to Institute of Biotechnology

Agenda Item:	Institutionalisation of M.Tech. Biotechnology Degree Programme at Institute of Biotechnology
1.	Adequacy of postgraduate degree programme: Adoption of postgraduate degree programme M.Tech. (Biotechnology) from the academic year 2001-02 has become a necessity keeping in view implementation of ICAR 6th Convⁿ Committee recommendations with respect to B.Tech. (Biotechnology) programme from Academic Session 2004-15. The students are regularly demanding to start M.Tech. (Biotechnology) degree programme to match with UD degree i.e. B.Tech. (Biotechnology). Many of the meritorious students prefer to join Master's degree in other institutes offering M.Tech. (Biotechnology). Therefore, to retain the talent and attract more students from outside, it is highly required that M.Tech. (Biotechnology) degree is institutionalised at Institute of Biotechnology. SKUAST-Jammu, Institute of Biotechnology, has sufficient academic and research facilities/infrastructure to cater to the basic requirements of M.Tech. (Biotechnology) degree programme. It is to add that PG degree for getting better reach and for specialized jobs at national and international levels, the existing PG Degree Programme, M.Sc. (Agri./ Molecular Biology and Biotechnology) shall continue as such as ICAR BEdC Committee recommendations already adopted by the University. The similar Course Outcomes is as per Annexure I.
2.	Admission eligibility criteria: Adoption of ICAR-BEdC admission system as eligibility criteria for M.Tech. (Biotechnology). For admission in M.Tech. (Biotechnology) candidates must have undergraduate minimum 4-year degree in B.Tech. Biotechnology/B.Sc. Biotechnology/B.Sc. (Agri./ Biotechnology)/B.Sc. (Hort./ Apiculture)/B.Sc. (Hort./ Horticulture)/B.Sc. (Hort./ Pathology). All the admissions in the M.Tech. (Biotechnology) Programme shall be made on self-financed basis and none of the students shall be sponsored by University/BEdC.

Course Curriculum

Post-Graduate Degree Programme (M.Tech. Biotechnology)



Institute of Biotechnology

Sher-e-Kashmir
University of Agricultural Sciences & Technology,
Faculty of Agriculture, Main Campus, Chatha,
Jammu-180 009(J&K)

ABSTRACT OF PROPOSAL FOR M.TECH. (BIOTECHNOLOGY)

DEGREE PROGRAMME	M.Tech. (Biotechnology)
MINIMUM DURATION	4 Semesters (2 Years)
PROPOSED INTAKE CAPACITY	20 Students per academic year (On self finance basis, INR 1,12,000 IN per year)
ELIGIBILITY	Minimum 4-year degree in B.Tech. Biotechnology/ B.Sc. Biotechnology/ B.Sc. (Hons.) Biotechnology/ B.Sc. (Hons.) Agriculture/ B.Sc. (Hons.) Horticulture/ B.Sc. (Hons.) Biology

BRIEF JUSTIFICATION:

Adoption of postgraduate degree programme, M.Tech. (Biotechnology) from the academic year 2020-21 has become a necessity keeping in view implementation of ICAR 9th Deans' Committee recommendations with respect to B.Tech. (Biotechnology) programme from Academic Session 2019-21. The university is already offering B.Tech. (Biotechnology) degree since 2011-12, when ICAR 3rd Deans' Committee Report was adopted by the University. Since then, students have been regularly requesting to start M.Tech. (Biotechnology) degree programme for keeping march with UG degree i.e. B.Tech. (Biotechnology). Many of the meritorious students prefer to join Masters degree in other institutions offering M.Tech. (Biotechnology). Therefore, to retain the talent and attract more students from outside, it is highly required that M.Tech. (Biotechnology) degree is institutionalized at Institute of Biotechnology, SKUAST-Jammu. Institute of Biotechnology, has sufficient academic and research facilities/infrastructure to cater to the basic requirements of M.Tech. (Biotechnology) degree programme.

Proposed Course Curriculum for M.Tech (Biotech.) Degree Programmes

Code	Name of Course	Credits (L+T)	Semester (I/II)
Major: 30 credits (11 credits of core + 8 credits of optional)			
MST 301	Genetic Engineering and Synthetic Biology*	2+0	I
MST 302	Engineering Gene Regulation*	2+0	I
MST 303	Electronics and Instrumentation in Biotechnology*	0+2	II
MST 304	Control and Systems Biology*	2+0	II
MST 305	Bioprocess and Bioreactors*	2+0	I
MST 306	Plant Biotechnology	2+0	I
MST 307	Computational Biology, Artificial Intelligence and Big Data Analysis	2+0	II
MST 308	Microbial and Industrial Biotechnology	2+0	II
MST 309	Vaccine Biotechnology	2+0	I
MST 310	Enzymology and Enzyme Engineering	2+0	II
MST 311	Quality Assurance in Genetic Engineering and Biotechnology	2+0	II
MST 312	Molecular Diagnostics	1+2	II
MST 313	Environmental Biotechnology	2+0	I
MST 314	Stem Cell Biology and Genebanks	2+0	I
MST 315	IPR, Bio safety & Bioethics	2+0	II
MST 316	Bioinformatics	1+0	II

Note: Visits based I-T constructionists, faculty staff be engaged for teaching specialized courses

Minor Courses - 08 Credits

1. Microbiology
2. Biochemistry
3. Plant Physiology
4. Veterinary Biochemistry
5. Veterinary Microbiology
6. Animal Genetics & Breeding

Supporting Course - 08 Credits

1. Microbiology
2. Biochemistry
3. Plant Physiology
4. Statistics

1. Genitor & Plant Breeding
2. Plant Pathology
3. Entomology
4. Post-Harvest Management

Common Courses - 05 Credits

Seminar - 01 Credits

Master's Research - 9-10 Credits

Total Credits = 70

MBT501: Genetic Engineering and Synthetic Biology (2+0)

UNIT I

Understanding DNA, RNA, proteins, and their roles in genetic engineering. Recombinant DNA Technology: Methods for gene cloning, DNA modifying enzymes, vectors, and applications in research. Genetic Circuits and Logic Gates: Introduction to synthetic biological systems and their design principles. Genome Editing Technologies: Focus on CRISPR-Cas9 tools and their applications in gene therapy and metabolic engineering.

UNIT II

Designing Genetic Pathways: Construction of synthetic pathways using modular components (BioBricks). Metabolic Engineering: Strategies for optimizing metabolic pathways for industrial applications. Ethics and Biosafety in Biotechnology: Discussion on bioethics, biosafety regulations, and intellectual property rights.

UNIT III

Current Trends in Synthetic Biology: Exploration of recent advancements such as gene drives and improved living materials. Socio-economic Implications: Understanding the impact of synthetic biology on society and the environment. Career Opportunities in Biotechnology: Overview of career paths and entrepreneurial opportunities in the field.

Suggested Readings:

1. Watson, J. D., Baker, P. A., Bell, S. R., Gene, A., Levine, M., & Loeck, E. (2014). *Molecular Biology of the Gene*, 7th edition. Cold Spring Harbor Laboratory Press, New York.
2. Sambrook, J. A. (2017). *Gene Cloning and DNA Analysis: An Introduction*, 7th edition. Wiley Blackwell.

MBT502: Engineering Gene Regulation (2+1)

Theory

UNIT I

Transcriptional regulation - Regulatory proteins, Activators and Repressors, Binding of RNA polymerase, Allosteric regulation, DNA looping, Cooperative binding, Anti-termination, Combinational control - Regulation of Operons: Gene regulation in Lambda phage - lytic or lysogenic establishment.

UNIT II

Regulatory sequences - Promoters, Enhancers, Silencers, Insulators, Loop Control Region. Activator proteins and their binding sites, DNA binding domain - Homeodomains, Zinc containing proteins: Lacoido Dimer Motif, Helix-Loop-Helix, TAD5 proteins. Recruitment of RNA polymerase to promoter regions, Nucleosomes and their modification. Rigor, integration. Tissue transduction and transcriptional regulation. Gene silencing. Epigenetic gene regulation.

UNIT III

Regulation by RNA in prokaryotes and eukaryotes. RNA as defense agent. Riboswitches. Gene silencing by RNA - siRNA & miRNA - synthesis and function. Noncoding RNAs their impact, categories and role in gene regulation, chromatin assembly etc.

UNIT IV

Negative autoregulation, Positive autoregulation. bistable and bimodal switch, Oscillating pattern of gene expression.

Practical

1. To study the role of activators and repressors in transcriptional regulation.
2. To investigate the binding of transcription factors to specific DNA regions.
3. To demonstrate gene silencing using siRNA.
4. To study the function of riboswitches in gene regulation.
5. To predict and validate transcription factor binding sites using bioinformatics tools.
6. To observe oscillating patterns of gene expression using synthetic biology techniques.

Suggested Readings:

1. Nelson, D. L. and Cox, M. M. (2017) *Lehninger's Principles of Biochemistry*, 7th edition, W H Freeman Publication, New York.
2. Koebe, J. F., Goldstein, E. S., Kilpatrick, S. T., (2017) *Levin's Genes XII* 12th edition, Arden & Bertels Learning publisher, Inc.
3. Watson, J. D., Hulse, T. A., Bell, S. P., Gann, A., Levine, M., & Linnik, R., (2014) *Molecular Biology of the Gene*, 7th Edition, Cold Spring Harbor Laboratory Press, New York.
4. Garland, E. J., Scumme, M. J. & Stuart, D. B. (2006). *Principles of Genetics* (2006) eighth Edition, Wiley.

MET501 : Electronics and Instrumentation in Biotechnology (4+2)

UNIT I

PN junction diode, diode forward and reverse characteristics; Diode as a circuit element. Application of PN junction diode such as: half wave, full wave bridge rectifier, clipper, clamping and voltage multiplier circuit. Design of precision instrumentation system.

Transducers for the measurement of temperature using thermocouple and thermocouple, laser displacement measurement using LVDT, Force measurement using the strain gauge.

UNIT II

Principles and working of laboratory equipments: Titration, refrigerated and ultra centrifuge, Laminar air flow, Autoclave, pH meter, Titrator, Temperature control system, BOD incubator, Gel electrophoresis, 2-D gel electrophoresis, gel documentation, gel drier, ELISA reader, Freeze drier/lyophilizer, Spectrophotometer, Gene pulser, Particle gun, Plant growth chamber, Thermal cycler, Realtime PCR, DNA synthesizer, DNA sequencer, Microscope: Light, view, phase contrast and inverted.

Practical

To familiarise laboratory equipment and its equipment working. Forward and reverse VT Characterisation of a PN junction diode. To study half wave, full wave and bridge rectifier using diode; Principle of centrifugation and spectrophotometry; PCR using isolated DNA

Suggested Readings

1. Edward William Golding & Peter Brock Charles Widdis. 1986. *Electrical Measurement and Measuring Instruments*. Pitman.
2. Gupta JS. 2004. *Basic Electronics*. S. K. Kataria & Sons.
3. Malvino. 2007. *Electronic Principles*. Tata McGraw-Hill Education.
4. Malhotra P & Thakral S. 2010. *Digital Electronics*. S. K. Kataria & Sons.
5. Sharma Sagay. 2012. *Electronic Devices & Circuit*. S. K. Kataria & Sons.

UNIT III: Origin and System: Biology (1*1)

UNIT I

Different methods of genome sequencing, principle of various sequencing chemistries, physical and genetic maps, Comparative and evolutionary genomics, Organelle genomics, applications in phylogenetics, case studies of completed genomes, preliminary genome data analysis, basis of isoelectric analysis, different methods

UNIT II

Protein basis: primary, secondary and tertiary structure, Basis of X-ray crystallography and NMR, Principal and Applications of mass spectrometry, Proteomics: Gel based and gel free, Basis of software used in proteomics, MASCOT, PD-Quest etc., Study of protein interactions, Prokaryotic and yeast-based expression system and purification.

UNIT-III

Metabolism and its applications, Use of 1D/2D MS/MS and MS in metabolite analysis, Multivariate analysis and identification of metabolites in bioanalysis, Study of enzymes using industrially coupled plasma – mass spectrometry (ICP-MS), X-Ray Fluorescence (XRF), Neutron activation analysis (NAA), Gene expression using genechip, microarrays, proteomic technologies and linkage with phenome.

UNIT-IV

Integrative systems Biology - The biochemical models, genetic models and systems model. Molecules to Pathway, Epistasis, binding and cooperativity - Michaelis-MentenKinetics, Biological oscillators, Genetic oscillators, Quorum Sensing, Cell-cell communication, Drosophila Development, Pathways to Networks, Gene regulation at a single cell level, transcription network, REGULATORY CIRCUITS. Negative and positive autoregulation, Alternative Stable States, Bistable Switches, Network building and analysis.

Practical:

1. Isolation of mRNA and total extraction of sequencing, Primary structure of genome and analysis.
2. ELISA Standard curve preparation, Extraction of protein and activation methods.
3. Quantification of proteins from different plant tissues using spectrophotometry.
4. 1-D Gel Electrophoresis, 2-D image analysis.
5. Experiments on protein-protein interaction (Yeast 2-hybrid, Split Ubiquitin system).
6. Demonstration on MALDI-TOF.
7. Demonstration on ICP-MS, AAS, Nitrogen adsorption using various methods.

Suggested Readings:

1. Sambrook, J. E. and Fritzman, R. (2006) Principles of gene Manipulation 7th edition, Wiley Blackwell.
2. Wilson, K., and Walker, J., (2012) Principles and Techniques of Biochemistry and Molecular Biology 3rd Edition, Cambridge University Press.

MEY 505 : Biophysics and Bioenergetics (1+2)

UNIT-I

Quantum mechanics; Electronic structure of atoms; The wave particle duality; wave length of de-Broglie waves; Phase and group velocity; Some basic concepts of quantum mechanics.

Schrodinger's wave equation; Particle in a box; Quantum mechanical tunneling; 1st and 2nd law of thermodynamics; Entropy; Entropy; Statistical and thermodynamic definition of entropy; Helmholtz free energy; Equilibrium thermodynamics; Near-equilibrium thermodynamics; Gibbs free energy; Chemical potential; Thermodynamic analysis of molecular transport

UNIT II

Hydration of macromolecules; Role of friction; Diffusion; Sedimentation; The chromaffin; Viscosity; Rotational Diffusion; Light scattering; Small angle x-ray scattering; Ultraviolet and visible spectroscopy; Circular dichroism(CD) and optical rotatory dispersion(ORD); Fluorescence spectroscopy; Infrared spectroscopy; Raman spectroscopy; Electron spin resonance; NMR spectroscopy; Light microscopy

UNIT III

Overview of Biosensors: Definition and classification of biosensors (electrochemical, optical, acoustic, etc.) Bio-recognition Elements: Types of biomolecules used as biosensors: enzymes, antibodies, nucleic acids, cells. Signal Transduction Mechanisms: Overview of transducers: electrochemical (amperometry, potentiometric), optical (surface plasmon resonance), piezoelectric. Emerging Trends: Recent advances in biosensor technology including nanomaterials and lab-on-a-chip systems.

Practical

1. Demonstrate the wave-particle duality of light
2. Analyse entropy changes as a physical process
3. Study diffusion rates of different substances
4. Identify molecular structures using UV-Vis spectroscopy
5. Explore transducer mechanisms
6. Evaluate the effect of nanomaterials on sensor performance

Suggested Readings

1. Chang K. 2005. *Physical Chemistry for the Biosciences*. University Science Books.
2. Glaser. 2012. *Biophysics*. Springer.
3. Petrášik V & Dvořák N. 2012. *Biophysics*. Vences Publishing House.
4. Rodney Cotnam L. 2002. *Biophysics An Introduction*. John Wiley & Sons.
5. Cui, Y., & Sengupta, S. Biosensors: Fundamentals, Emerging Technologies, and Applications
6. Biosensing: Methods, Applications and Technology, Nova Publishers
7. Biophysics and Sensing, Elsevier

UNIT I

Introduction to Nanotechnology + Nanomaterials + Self-assembly to artificial assembly for creation of useful nanostructures – Bottom up and Top down approach (Nano rods, nano tubes, nanowires, quantum dots, nanosheets, metal / polymer-based nanostructures) – Preparation and Characterization of nanoparticles (particle size analysis, microscopy viz. electron microscopy, atomic force microscopy etc).

UNIT II

Cell structure – Bio macromolecules: Types, Structure, Dynamics and interaction with water – Cellular nano machines – cellular transducers, membrane channels, membrane transporters, Molecular motors – Creation of bio-nanostructures (Nano liposomes, Nano micelles, Nanomotors)

UNIT III

Chemical, physical and biological properties of nanomaterials and its response to immobilization, biorecognition, and properties of natural materials (proteins, DNA, and polysaccharides), structure-property relationships in polymeric materials (synthetic polymers and structural proteins); Acoustic properties, applications and dynamics; Statistical Mechanics in Biological Systems.

UNIT IV

Nanoparticle based systems; Micro- and Nano-fluidics; Drug and gene delivery systems; Microfabrication, Bioassays, Chip technologies; Nano-imaging; Molecular engineering and Gene therapy.

Practical:

1. Isolation of enzymes and nucleic acids involved in biosynthesis of nanomaterials
2. Synthesis of Gold/silver Nanoparticles by biogenic methods, Synthesis of micelles and inverse micelles
3. Synthesis of Carbon Nano-tubes by Chemical Vapor Deposition and Spinning technique
4. Preparation of silica-coated silver nanoparticles, Purification and measurement of various nano materials
5. Zinc selenide quantum dot preparation, Synthesis of Zinc Oxide Nanoparticle
6. Thin film preparation by spin coating technique, Synthesis of Nickel oxide nanoparticles by wet decomposition method
7. Synthesis of Zinc Oxide nanoparticles

Suggested Readings:

- 1. Maier, H. E. 2005. *Handbook of Noncommutative Geometry and Their Applications to Nanotechnology*. Academic Science Publications.
- 1. Manayak CM, Adityak CA. Eds (2007) *Nanotechnology: Concepts Applications and Perspectives*, Wiley, International publications. Cao, B., and Wang, Y. (2004) *Nanoscience and Nanomaterials: Synthesis, properties and applications*, Imperial College Press

MBT 587: Computational Biology, Artificial Intelligence and Big Data Analysis (2*0)

UNIT I

Foundations of Computational Biology: Introduction to biological data types (genomic, proteomic, etc.). Overview of computational biology applications. Algorithms in Computational Biology: Sequence alignment algorithms (e.g., Needleman-Wunsch, Smith-Waterman), Genome assembly techniques, Hidden Markov Models for biological sequence analysis.

UNIT II

Machine Learning in Biology: Supervised and unsupervised learning algorithms, Neural networks and deep learning applications in genomics, Predictive modeling for drug discovery and disease classification. Big Data Analysis: Introduction to big data technologies (Hadoop, Spark), Data mining techniques for biological datasets, Statistical methods for large-scale data analysis.

UNIT III

Bioinformatics Tools and Software: Use of software tools for genomic data analysis (e.g., BLAST, Bioconductor), Classification tools for biological data representation. Network Biology: Biological networks and their analysis, Systems biology approaches to understand complex interactions. Ethics in Computational Biology: Ethical considerations in bioinformatics research, Data privacy issues related to genetic information.

Practical

1. Hands-on sessions on bioinformatics software.
2. Workshops on using machine learning libraries.
3. Comparative genomic analysis using machine learning.
4. Analysis of single-cell RNA sequencing data.

Suggested Readings:

1. *Bioinformatics: Sequences and Genomes Analysis* by David W. Mount

1. "Computational Biology: A Practical Introduction to BioData Processing and Analysis with Linux, R, Python, and C" by Robert Vothmann
2. "Systems Biology: A Unified Approach" by Andrew G. McCalisto et al.
3. "A Primer for Computational Biology" by Massimiliano T. C. et al.

MBT 508: Molecular and Industrial Biotechnology (1*1)

UNIT I

Introduction, scope and historical developments. Isolation, screening and genetic improvement (involving classical approaches) of industrially important organisms.

UNIT II

Primary metabolites, production of industrial ethanol as a case study. Secondary metabolites, bacterial antibiotics and antitumor peptides antibiotics as case study. Recombinant DNA technologies for microbial processes, strategies for development of industrial microbial strains with scale up production capacities; metabolic pathway engineering of microbes for production of novel product for industry

UNIT III

Microbial enzymes, role in various industrial processes, production of fine chemicals for pharmaceutical industries, Bio-transformation, Bio-synthesis with production of vitamins C as a case study; Bioreactors, their design and types; Immobilized enzyme-based bioreactors, Microencapsulation technologies for immobilization of microbial enzymes.

UNIT IV

Environmental Biotechnology: bioremediation for pollution control, treatment of industrial and other wastes, biomass production involving single cell protein, Bio-synthesis of oil, Production of bio-fuel, agricultural chemicals, bio-pesticides, bio-herbicides, bio-fertilizers, bio-fuels, etc.

Practical:

1. Isolation of industrially important microorganisms, their maintenance and improvement.
2. Lab scale production of industrial compounds such as alcohol, beer, citric acid, lactic acid and their recovery.
3. Study of bio-reactors and their operations.
4. Production of bio-fertilizers.
5. Experiments on microbial fermentation products/fermenters, bio-pesticides, dairy products, harvesting purification and recovery of end products.

4. Immobilization of cells and enzymes, studies on its kinetic behavior, growth analysis and transmembrane.
5. Demonstration of mass transmembrane.

Suggested Readings:

1. Weiss, M. J., Morgan, N. L., Rasky, J. S., Higin, G. (1990) *Industrial Microbiology: An Introduction*, Wiley-Blackwell.
2. Sleas, A., Scott, N.W., & Foster, M. B. (2001) *The genetic manipulation of plants: Plant Biotechnology* Oxford, England: Oxford University Press.
3. Rao, L. Y. (Ed.) (2001). *Microbial biotechnology: principles and applications*, World Scientific Publishing Company.

MBT 509: Vaccine Biotechnology (2-4)

UNIT I

History of vaccinology, conventional approaches to vaccine development, live attenuated and killed vaccines, adjuvants, quality control, preservation and monitoring of microorganisms in seed lot/vaccines.

UNIT II

Barrenment related to monitoring of temperature, sterility, enrichment, quality standards and related tests.

Production techniques, growing the microorganisms in synthetic fibre, preservation techniques to maintain good antigen quality, freeze drying.

UNIT III

Introduction to newer vaccine approaches namely subunit vaccines, synthetic vaccines, DNA vaccines, virus like particles, recombinant vaccines, edible vaccines. Some particulars in vaccine delivery systems, etc.

UNIT IV

Introduction to pharmacopoeial requirement, disease severity and heterogeneity principles and GMP guidelines, virus seed management, method of manufacture, in process control, batch control, tests on final product.

Practical:

1. Incubation of embryonated chicken eggs for cultivation of virus.
2. Harvesting of virus from inoculated embryos.
3. Identification of harvest virus.

4. Safety and stability testing of inactivated vaccine
5. Inoculation of tissue culture for propagation of virus
6. Harvesting and production of inactivated virus vaccine
7. Isolation and cloning of genes encoding immunogenic proteins
8. Expression of cloned genes in. Purification of recombinant immunogenic proteins
9. Immunogenicity studies of recombinant proteins
10. Immunisation of laboratory animals
11. Titration of antibodies against the recombinant proteins

Suggested Readings:

1. Berry, R. Elliott and Paul-Henri Leachart. 2001. The Vaccine Book. Academic Press New York
2. Levine, M.M., Kaper, J.B., Rappaport, R., Lin, M.A. and Orod, M.F. 2004. New Generation Vaccines, 3rd Ed. Informa Healthcare, London
3. Levine DS & Whittam R. 2008. DNA Vaccines. Humana Press, Totowa, New Jersey
4. Kolbasov A & Uranga SD. 2003. Vaccine Proteomics. 2nd Ed. Humana Press, Totowa, New Jersey

MEET 118: Enzymology and Enzyme Engineering (3*1)

UNIT I

Derivational Enzymes- Michaelis-Menten kinetics. Kinetics and Kinetic Inhibition- Effect of pH and temperature- Enzymology- Immobilised enzymes: Methods, Mass transfer considerations and Industrial enzymes.

UNIT II

Introduction to metabolism- Nutrient transport- Glycolysis - TCA cycle and other pathways - Control of metabolism- Factors affecting microbial growth - Biotechnology- mass balances and energy balances. Growth kinetic measurement of growth.

UNIT III

Introduction to bioreactors - Batch and Fed batch bioreactors, Continuous bioreactors. Immobilised cells, Bioreactor operation, Sterilisation, Aeration, Sensors. Instrumentation. Culture - specific design aspects: plant/animal/cell culture reactors.

UNIT IV

Biomass recovery - Biomass disruption - Membrane based techniques. Extraction - solvent, aqueous two phase, super critical, and Adsorption. Chromatography, Precipitation (Ammonium sulfate, solvent), Electrophoresis (capillary), Crystallisation, Drying and Freeze drying.

LO225

White Biotechnology: Few industrial process using enzymes for production of drugs and fine chemicals, Enzyme based biosensors, Enzymes in organic synthesis, Molecular Sieving Enzymes engineering, selection of chiral molecules, and their asymmetric separation, Functional expression of enzymes protein engineering by modification of protein, Binding kinetics and active, Creativity

Practical

1. Handling of enzymes and estimation of specific activity of an enzyme (e.g. amylase, phosphatase, protease)
2. Isolation of β -xylanase and determination of enzyme activity using specific substrate
3. Purification of enzymes by ammonium sulphate precipitation
4. Effect of physicochemical parameters (pH, temperature) on the activity of enzymes
5. In situ enzyme activity staining on SDS-Polyacrylamide gel (Amylase, Lactase, dehydrogenase)
6. Immobilization of enzymes by gel entrapment and cross linking method

Suggested Readings

1. Michael Stiller and Fikret Kargi, "Bioprocess Engineering: Basic Concepts", 2nd Edition, Prentice Hall, and Englewood Cliffs, NJ, 2000.
2. Pauline Tisser, "Bioprocess engineering principles", Academic Press, 1997.
3. Colin Salgado, Sybil Kristiansen, "Basic Biotechnology", 2nd Edition, Cambridge University Press, 2001.
4. Roger Harrison et al., "Bioprocess Engineering Science and Engineering", Oxford University Press, 2003.
5. Harrison R.O. Todd P. Ridge P.R. "Bioprocess Engineering Science and Engineering", Oxford Press 2003.

MBT518: Quality Assurance in Ceramic Engineering and Biotechnology (1+1)

LO226

Concept and evolution of quality control and quality assurance, Total Quality Management, Philosophy of QAP and SQAP Preparation of audit, Understanding audit, Audit Analysis, Audit Report and Audit follow up Quality control laboratory responsibilities, QAP protocols on

continued testing control on animal bones, data generation, integration and storage, standard test procedure, retention of sample records. CPCSEA guidelines.

UNIT II

Quality review and batch release document of finished products, animal product quality review and parametric release, Audit, quality audit of manufacturing processes and facilities, audits of quality control.

UNIT III

Good documentation practices, root cause analysis, corrective action preventive action (CAPA), out of specifications (OOS) and out of trend (OOT). Clinical studies- ICH QCP (R6) guidelines, post marketing surveillance, Pharmacovigilance.

UNIT IV

BABE (Non-compliance and Non-equivalence) studies, Concepts and management of contract manufacturing guidelines, Statistical Tools for Quality Control and Precision, Tools of Problem Solving and Continuous Improvement.

UNIT V

Introduction, scope and importance of IP, Concept of trade mark, copyright and patent Product registration guidelines – CDSCO, USPDA, Concept of ISO 9001:2008, 14000, ICHMAG guidelines, Quality Strategy for Indian Industry, Brief concept of HME, NDA, ANDA, SINDA and GAT.

Practical

1. Conduct a mock visit of a laboratory or manufacturing unit, documenting findings and recommendations.
2. Design an experiment following GCP protocols, including data generation and storage.
3. Create a compliance checklist based on CPCSEA guidelines for animal testing.
4. Develop a sample batch release document and perform a post review and conduct a hypothetical animal product quality review using provided data.
5. Design and execute a sample comparability study using simulated data to analyse results statistically.
6. Develop an implementation plan for ISO 9001:2008 or ISO 14000 standards in a simulated pharmaceutical environment.

Suggested Readings

1. Gary J. Good Pharmaceutical Manufacturing Practice: Regulatory and Compliance. CRC Press, 2005.
2. Gal SC. Pharmaceutical Manufacturing Handbook: Production and Processes. John Wiley & Sons, 2008.

1. Stanborn L. GMP/ISO Quality Audit Manual for Medicines Manufacturers and Their Suppliers, Sixth Edition, (Volume 1 - With Checklists and Software Packages). Taylor & Francis, 2001.
4. Kitchin J, Ming R, Scott G. Good Clinical Practice: Standard Operating Procedures for Clinical Research. Wiley, 1995.
5. Usher P. An Introduction to Pharmacovigilance. John Wiley & Sons, 2011.
6. Hsieh S. The Book of Biopharmaceutics Testing. CRC Press, 2007.
7. Chakrav A.A. International Pharmaceutical Registration. Interscience Press, 2000.
8. Edwards AJD. ISO 14001 Environmental Certification Step- by-Steps. Revised Edition. Butterworth-Heinemann, 2000.
9. Mentis D. FDA Regulatory Affairs: A Guide for Prescription Drugs, Medical Devices, and Biologics. Informa Healthcare USA, 2003.
10. Chakrav A.A. International Pharmaceutical Registration. Interscience Press, 2000.
11. Gargali P. Intellectual Property Rights. The McGraw Hill Companies, 2008.

MBT 512 : Molecular Diagnostics (1+2)

UNIT I

Introduction, importance and historical perspective of development of molecular diagnostic technology; concept of development of group specific and strain specific nucleic acid based diagnostics, basis for selection of gene/nucleotide sequence of pathogenic organism as target for detection.

UNIT II

Application of restriction endonuclease analysis for identification of pathogen, principle of development of pathogen specific DNA probes, Southern and Northern hybridization.

UNIT III

Theoretical background of development of PCR and Real time PCR and its variations, application of PCR for diagnosis of infectious diseases of animals and poultry, nucleic acid sequence based diagnostics.

UNIT IV

Advancements in diagnostic technology including DNA array technology, biosensors and nanotechnology, OIE guidelines in development of diagnostics.

Practical:

1. Preparation of buffer and reagent.
2. Collection of clinical and environmental samples from animal and poultry farms for molecular detection of pathogens.

- Isolation of bacterial pathogens from the samples.
- Extraction of nucleic acids from bacterial and clinical specimens.
- Restriction endonuclease digestion and analysis in agarose electrophoresis.
- Development of animal pathogen specific nucleic acid probes.
- Immuno Assaying for detection of pathogens.
- Polymersase chain reaction for detection of pathogens in blood and other animal tissues.
- RT-PCR for detection of RNA viruses.
- Real time PCR for detection of pathogens in tissues and other animal tissues.
- DNA fingerprinting for identification of animal species.
- PCR based detection of meat adulteration in processed and unprocessed meats.
- Detection of food borne pathogens organisms in vegetables and fruits using PCR technology.
- PCR based detection of potential pathogens in milk, eggs and meat.

Suggested Readings

- Ellis, R. and Nemeroff, R. 2004. Molecular Diagnosis of Genetic Disease. Humana Press, Totowa, New Jersey
- Kao, J.K., Fleming, C.C. and Moore, J.E. 2004. Molecular Diagnostics. Horizon Bioscience Publishers.

UE

MBT 112: Environmental Biotechnology (3+6)

UNIT I

Basic concepts and environmental issues, types of environmental pollution, problems arising from high-input agriculture; methodology of environmental management, air and water pollution and its control, waste water treatment - physical, chemical and biological processes, need for water and natural resource management.

UNIT II

Microbiology and use of microorganisms in waste treatment: biodegradation; degradation of Nitrates, surfactants; bioremediation of soil & water contaminated with oils, pesticides, ionic chemicals, detergents; aerobic processes (activated sludge, oxidation ditches, trickling filter, rotating drums, etc); anaerobic processes: digestion, filtration, etc.

UNIT III

Renewable and non-Renewable resources of energy: energy from solid waste, conventional fuels and their environmental impact; biogas; microbial hydrogen production; conversion of sugar to alcohol, glycerol; biodegradation of lignin and cellulose; isoprenoids; biofertilizers; composting; vermiculture etc.

UNIT IV

Treatment schemes of domestic waste and industrial effluents; food, fuel and energy from solid waste; bioleaching; enrichment of ores by microorganisms; global environmental problems: ozone depletion, UV-B, greenhouse effects, acid acid rain; biodiversity and its conservation; biotechnological approaches for the management environmental problems.

Suggested Readings:

1. Evans, G. Maad Furling, I. G. (2015). *Environmental Biotechnology: Theory and Applications*. 1st edition, Wiley-Blackwell.
2. Nerding, H. and Wiese, I. (2006). *Environmental Biotechnology: Concepts and Applications*. Wiley-VCH Verlag.

MBT 514: Stress Biology and Occurrence (2+0)

UNIT I

Different kinds of stresses (biotic and abiotic) and adaptation strategies. Plant cell as a sensor of environmental changes; role of cell membranes in signal perception; Ways of signal transduction in cells and whole plants as a response to external factors. Abiotic stresses affecting plant productivity – Drought, salinity, water logging, temperature stresses, light stress and nutrient stress; Drought stress – Effects on plant growth and development; Components of drought resistance; Physiological, biochemical and molecular basis of tolerance mechanisms; Salt stress (soil and seawater) resistance mechanisms.

UNIT II

Strategies to enhance drought tolerance – Osmotic adjustment and Osmo-protectants – synthesis of proline, glycine betaine, polyamines and sugars, ROS and antioxidants, hormonal metabolism – ABA signaling, signaling components – transcription factors. Water logging stress – effects on plant growth and metabolism; adaptation to water logging; tolerance mechanisms (aerobic and flooding tolerance) Strategies for improving salt-tolerance tolerance. Salinity stress – effects on physiology and metabolism of plants, ROS pathways and ion homeostasis. Strategies to improve salinity tolerance in plants. Water logging stress – effects on plant growth and metabolism; tolerance mechanisms. Physiological and biochemical changes – High & Low temperature tolerance mechanisms – molecular basis of diurnal tolerance. Morphological and physiological changes in plants due to high and low light stresses – photo conditions – plastid development. Characters of heliophytes and sciophytes – solar tracking – sun effect and light channeling. Heavy metal stress – Al and Cd stress – effects on plant growth and development, detoxic strategies in stress-tolerant heavy metal.

stress. Hormonal cross- effects on plant growth and development. Genetic manipulation strategies to overcome the stress effects.

UNIT III

Genomics, transcriptomics, small RNAs and epigenomics: functional genomics: transfer of tolerance trait to crop to model plants and validation of gene function. Different techniques for the functional validation of genes. Signaling pathway related to defense gene expression. R proteins, RNAi approach and genes from pathogen and other sources, anti protein genes, identification genes, transgenic and genome management. It provides, resistance management strategies in transgenic crops, ecological impact of field release of transgenic crops. Bioinformatics approaches to determine gene function and network in model plants under stress.

Suggested Reading

1. Buchanan, B. B., Gruissem, W. and Jones, R. (2011) Biochemistry and Molecular Biology of Plants, 1st edition, Wiley and Blackwell Publications.
2. Sarwat, M., Akmal, A. Akhtar, M.I. (2011) Stress Signaling in Plants: Genomic and Proteomic Perspectives, Volume 1, Springer.
3. Hetherington, (2000) Plant Stress Biology: From Genes to Systems Biology, John Wiley.
4. Fessler, G. K., Identification of Abiotic Stress Signaling in Plants, Wiley.

UNIT 11: IPR, Biosafety&Bioethics: (1+8)

UNIT I

IPR: Historical background in India, trade secret, patent, trademark, Assigned licensing, procedure for patent applications in India, Patent Cooperation Treaty (PCT), Examples of patents in biotechnology-Case studies in India and abroad, copyright and FVP, Implications of IPR on the commercialization of biotechnology products, ecological implications, Trade agreements- The WTO and other international agreements, and Cross border movement of germplasm.

UNIT II

Biosafety and bio-hazards: General principles for the laboratory and environmental biosafety, Biosafety and risk assessment issues; handling and disposal of bio-hazards; Approved regulatory laboratory practice and principles, The Cartagena Protocol on biosafety, Biosafety regulations in India, national Biosafety Policy and Law, Regulations and Guidelines related to Biosafety in other countries.

UNIT III

Potential concerns of transgenic plants - Environmental safety and food and feed safety. Principles of safety assessment of Transgenic plants - sequential steps in risk assessment. Concepts of bio-safety and containment approaches. Risk - Environmental risk assessment - insect-resistance, herbicide-resistance, gene flow, horizontal gene transfer, impact on non-target organisms. Food and feed safety assessment - toxicity and allergenicity Monitoring strategies and methods for detecting transgenics

UNIT IV

Field trials - Diversity research trials - standard operating procedures. Labeling of GM food and crop. Bio-ethics: Modified and religious, social, spiritual & environmental ethics. Ethics in Biotechnology. Labeling of GM food and crop. Biopiracy.

Suggested Readings:

1. God, D. and Pearson, S., (2001) *IPR, biotech, and bioethics*.
2. Joshi, S., (2008) *Bioethics and Bioethics*.
3. Haskins, B., (2007) *An Introduction to Ethical, Safety and Intellectual Property Rights Issues in Biotechnology*.

MBT 118: Bio-entrepreneurship (1*8)

UNIT I

Steps in Biotechnology: types of bio-industries - Bio-pharma, Bio-agri, Bio-services and Bio-industrial. Importance of entrepreneurship. Introduction to bio entrepreneurship - biotechnology is a global mega-idea for successful entrepreneur-creativity, leadership, managerial, team building, decision making, opportunities for bio-entrepreneurship-entrepreneurship development programs of public and private agencies (MHRD, DST, SERAC, Startup & Make in India)

UNIT II

Business plan preparation; business feasibility analysis by FVOC; socio-economic cost benefit analysis, funds support from various agencies, statutory and legal requirements for starting a company venture.

UNIT III

Entry and exit strategy; identifying needs of customers; Market linkage, branding issues; developing distribution channels - financing, policies, promotion, structuring, branding and market linkage for 'virtual startup company'. Pricing strategy.

CONCLUSION

Knowledge centers e.g., in universities, innovation centers, research institutions (public & private) and business incubators, R&D for technology development and regeneration, management of technology development, managing technology transfer;

Suggested Reading

1. Nelson, D. J. & Sampson, J. C. (2008). *Entrepreneur for Life Scientists: Developing Innovation and Entrepreneurship in the Biomedical Electronics Sector*.
2. Utterback, C. D. (2004). *Bio-technology Entrepreneurship: Starting, Managing, and Leading Biotech Companies*. Amsterdam: Elsevier Academic Press is an imprint of Elsevier.
3. Ouellet, A., & Turchetta, A. *Business Modeling for Life Science and Biotech Companies: Creating Value and Competitive Advantage with the Milestone Bridge*. Routledge.
4. Jordan, J. F. (2014). *Innovation, Commercialization, and Start-Ups in Life Sciences*. London: CRC Press.
5. Datta, V. (2009). *The Dynamics of Entrepreneurial Development and Management*. New Delhi: Himalaya Pub. House.

Annexure-VII



UNIVERSITY OF AGRICULTURAL SCIENCES & TECHNOLOGY OF JAMMU

8th COOPTATION

Academic Level				Exam: ____-2023		
				Dates: January		
Post Graduate						
Serial No.	S. No.	Name	Parcels	Registration No.	Result notified on	CGPA out of 10.00
2.1. Doctor of Philosophy in Agricultural Sciences						
AGROSCIENCE						
4133	1	Arora Siddha	Dr. Kamini Lal Sharma	5-15-D-319-A	07-01-2024	4.88
4138	2	Arora Shweta	Dr. Ravi Sharma	5-15-D-319-A	08-01-2024	4.97
4140	3	Kumar Kumar Kunal	Dr. Harvinder Kumar Kaur	5-15-D-319-A	17-01-2024	5.00
4141	4	Sharma Jyoti	Dr. Chiranjyoti	5-15-D-319-A	04-11-2023	4.14
ENTOMOLOGY						
4142	1	Sharma Rishi	Dr. Jyoti Arora Rishi	5-15-D-319-A	11-01-2024	4.23
4143	2	Sharma Jyoti	Dr. Jyoti Arora Rishi	5-15-D-319-A	11-01-2024	4.15
4144	3	Sharma V. Akshay	Dr. Jyoti Arora Rishi	5-15-D-319-A	11-01-2024	5.00
GENETICS AND PLANT BREEDING						
4145	1	Sharma Rishi	Dr. Jyoti Arora Rishi	5-15-D-319-A	11-01-2024	4.14
SOIL SCIENCE AND AGRICULTURAL CHEMISTRY						
4146	1	Sharma Rishi	Dr. Jyoti Arora Rishi	5-15-D-319-A	11-01-2024	4.00
4147	2	Sharma Rishi	Dr. Jyoti Arora Rishi	5-15-D-319-A	11-01-2024	4.88
AGRICULTURAL ECONOMICS						
4148	1	Sharma Rishi	Dr. Jyoti Arora Rishi	5-15-D-319-A	11-01-2024	4.23
4149	2	Sharma Rishi	Dr. Jyoti Arora Rishi	5-15-D-319-A	11-01-2024	4.78
AGRICULTURAL EXTENSION & COMMUNICATION						
4150	1	Sharma Rishi	Dr. Jyoti Arora Rishi	5-15-D-319-A	11-01-2024	4.27
PLANT PATHOLOGY						
4151	1	Sharma Rishi	Dr. Jyoti Arora Rishi	5-15-D-319-A	11-01-2024	4.34
4152	2	Sharma Rishi	Dr. Jyoti Arora Rishi	5-15-D-319-A	11-01-2024	4.23
4153	3	Sharma Rishi	Dr. Jyoti Arora Rishi	5-15-D-319-A	11-01-2024	4.21
4154	4	Sharma Rishi	Dr. Jyoti Arora Rishi	5-15-D-319-A	11-01-2024	4.21
BIOTECHNOLOGY						
4155	1	Sharma Rishi	Dr. Jyoti Arora Rishi	5-15-D-319-A	11-01-2024	4.26
AGRI-BUSINESS MANAGEMENT						
4156	1	Sharma Rishi	Dr. Jyoti Arora Rishi	5-15-D-319-A	11-01-2024	4.78
2.2. Doctor of Philosophy in Basic Sciences						
BIOCHEMISTRY						
4157	1	Sharma Rishi	Dr. Jyoti Arora Rishi	5-15-D-319-A	11-01-2024	4.27

AGROBIOLOGY

4134	1	Aditya Sharma	Dr. Tinku Das	521-56314	01-05-2024	7.10
4135	2	Vishnu	Dr. Rajesh Singh	521-56315	01-05-2024	7.10
4136	3	Shubam Das	Dr. Ganeswar Pat Nayak	521-56316	01-05-2024	6.87
4137	4	Ananta Singh	Dr. Vignesh Singh	521-56317	01-05-2024	6.82
4138	5	Ananta	Dr. Chait Lal	521-56318	01-05-2024	6.81
4139	6	Omika	Dr. Kamini Singh	521-56319	01-05-2024	6.84
4140	7	Kamini Singh	Dr. Chait Lal	521-56320	01-05-2024	7.10
4141	8	Ananta Kumar	Dr. Shash Kumar	521-56321	01-05-2024	6.82
4142	9	Sonal	Dr. Kishor Kumar	521-56322	01-05-2024	6.79
4143	10	Maya Sharma	Dr. Disha Rani	521-56323	01-05-2024	6.87
4144	11	Krishna Singh	Dr. Kishor Kumar	521-56324	01-05-2024	7.10
4145	12	Jaishu Verma	Dr. Ram Prasad	521-56325	01-05-2024	6.79
4146	13	Harshvardh Kaur	Dr. Shubam Singh	521-56326	01-05-2024	6.82
4147	14	Vishnu Singh	Dr. Sugan Kumar Sharma	521-56327	01-05-2024	7.11
4148	15	Sahil Singh	Dr. Ram Singh Jais	521-56328	01-05-2024	7.10
4149	16	Lakshay Khajuria	Dr. Vishnu Kumar Khajuria	521-56329	01-05-2024	7.10
4150	17	Dipika Kumar	Dr. Om Prakash	521-56330	01-05-2024	7.10

AGRICULTURAL ECONOMICS

4151	1	Vishnu Singh Sharma	Dr. Anil Kumar Sharma	521-56331	01-05-2024	7.47
4152	2	Om Prakash	Dr. Lakshmi Kant Verma	521-56332	01-05-2024	6.79
4153	3	Rishi Singh	Dr. Rajendra Singh	521-56333	01-05-2024	7.10
4154	4	Agnika	Dr. Sugan Kumar Sharma	521-56334	01-05-2024	6.88
4155	5	Arun Kumar	Dr. R.K. Kumar	521-56335	01-05-2024	6.80

AGRICULTURAL EXTENSION EDUCATION

4156	1	Vishnu Khajuria	Dr. Vishnu Khajuria	521-56336	01-05-2024	7.10
4157	2	Rishi Singh	Dr. Jagan Singh	521-56337	01-05-2024	7.10
4158	3	Ananta	Dr. Anant Pat Nayak	521-56338	01-05-2024	7.11
4159	4	Vishnu Khajuria	Dr. Laxmi Singh	521-56339	01-05-2024	6.87
4160	5	Harsh Singh	Dr. Shash Singh	521-56340	01-05-2024	7.12

ENTOMOLOGY

4161	1	Vishnu Yadav	Dr. Anil Kumar Yadav	521-56341	01-05-2024	7.10
4162	2	Shubam Singh	Dr. Mohd. Shafiq Chaudhary	521-56342	01-05-2024	7.11
4163	3	Tanvi Sharma	Dr. Lakshmi Singh	521-56343	01-05-2024	7.10
4164	4	Dr. Chait Lal	Dr. Anil Kumar	521-56344	01-05-2024	7.11
4165	5	Lakshmi Khajuria	Dr. Anil Kumar	521-56345	01-05-2024	6.84
4166	6	Anant Kumar Verma	Dr. Shash Kumar Verma	521-56346	01-05-2024	6.86
4167	7	Sahil	Dr. Shyam	521-56347	01-05-2024	7.10
4168	8	Shubam Singh	Dr. Manoj Kumar Singh	521-56348	01-05-2024	7.49

GENETICS AND PLANT BREEDING

4169	1	Tanvi Kumar	Dr. Anant Lal	521-56349	01-05-2024	7.10
4170	2	Shubam Singh	Dr. Mohd. Shafiq Chaudhary	521-56350	01-05-2024	7.11
4171	3	Om Singh	Dr. Anant Kumar Singh	521-56351	01-05-2024	6.81
4172	4	Shubam Khajuria	Dr. Sugan Kumar Sharma	521-56352	01-05-2024	7.10
4173	5	Anant Singh	Dr. Anant Singh	521-56353	01-05-2024	7.11
4174	6	Anant Kumar	Dr. Anant Lal	521-56354	01-05-2024	6.86
4175	7	Shubam Singh	Dr. Sugan Singh	521-56355	01-05-2024	6.81
4176	8	Manoj Kumar Singh	Dr. Manoj Kumar Singh	521-56356	01-05-2024	7.11

4027	0	Asst. Director	Dr. Kanchan Lal	521-55-929	01-12-2024	6.55
PLANT PATHOLOGY						
4028	1	Labash Kumar Shrivastava	Dr. Ramesh Lal	521-55-933	07-02-2024	7.00
4029	2	Arvind Gupta	Dr. Jayaram Gupta	521-55-740	04-08-2024	7.10
4030	3	Shri. Ravi Varma	Dr. Pradyumn Kumar Singh	521-55-939	14-12-2024	7.14
4031	4	Laxman Singh	Dr. Kanchan Lal	521-55-933	14-12-2024	7.17
4032	5	Shri. Ravi Varma	Dr. B. Kumar	521-55-939	04-12-2024	7.19
4033	6	Shri. Ravi Varma	Dr. Ravi Kumar	521-55-933	04-12-2024	7.21
4034	7	Shri. Ravi Varma	Dr. Ravi Kumar Singh	521-55-939	14-12-2024	7.23
4035	8	Shri. Ravi Varma	Dr. Ravi Kumar	521-55-933	14-12-2024	7.25
4036	9	Shri. Ravi Varma	Dr. Ravi Kumar Singh	521-55-939	14-12-2024	7.27
4037	10	Shri. Ravi Varma	Dr. Ravi Kumar	521-55-933	14-12-2024	7.29
4038	11	Shri. Ravi Varma	Dr. Ravi Kumar Singh	521-55-939	14-12-2024	7.31
SOIL SCIENCE						
4039	1	Shri. Ravi Varma	Dr. Ravi Kumar	521-55-933	14-12-2024	7.33
4040	2	Shri. Ravi Varma	Dr. Ravi Kumar Singh	521-55-939	14-12-2024	7.35
4041	3	Shri. Ravi Varma	Dr. Ravi Kumar	521-55-933	14-12-2024	7.37
AGRI. SCIENCE						
4042	1	Shri. Ravi Varma	Dr. Ravi Kumar	521-55-933	14-12-2024	7.39
4043	2	Shri. Ravi Varma	Dr. Ravi Kumar Singh	521-55-939	14-12-2024	7.41
4044	3	Shri. Ravi Varma	Dr. Ravi Kumar	521-55-933	14-12-2024	7.43
4045	4	Shri. Ravi Varma	Dr. Ravi Kumar Singh	521-55-939	14-12-2024	7.45
4046	5	Shri. Ravi Varma	Dr. Ravi Kumar	521-55-933	14-12-2024	7.47
4047	6	Shri. Ravi Varma	Dr. Ravi Kumar Singh	521-55-939	14-12-2024	7.49
4048	7	Shri. Ravi Varma	Dr. Ravi Kumar	521-55-933	14-12-2024	7.51
4049	8	Shri. Ravi Varma	Dr. Ravi Kumar Singh	521-55-939	14-12-2024	7.53
4050	9	Shri. Ravi Varma	Dr. Ravi Kumar	521-55-933	14-12-2024	7.55
4051	10	Shri. Ravi Varma	Dr. Ravi Kumar Singh	521-55-939	14-12-2024	7.57
SEED SCIENCE AND TECHNOLOGY						
4052	1	Shri. Ravi Varma	Dr. Ravi Kumar	521-55-933	14-12-2024	7.59
4053	2	Shri. Ravi Varma	Dr. Ravi Kumar Singh	521-55-939	14-12-2024	8.01
4054	3	Shri. Ravi Varma	Dr. Ravi Kumar	521-55-933	14-12-2024	8.03
ORGANIC FARMING						
4055	1	Shri. Ravi Varma	Dr. Ravi Kumar	521-55-933	14-12-2024	8.05
4056	2	Shri. Ravi Varma	Dr. Ravi Kumar Singh	521-55-939	14-12-2024	8.07
4057	3	Shri. Ravi Varma	Dr. Ravi Kumar	521-55-933	14-12-2024	8.09
4058	4	Shri. Ravi Varma	Dr. Ravi Kumar Singh	521-55-939	14-12-2024	8.11
BIOTECHNOLOGY						
4059	1	Shri. Ravi Varma	Dr. Ravi Kumar	521-55-933	14-12-2024	8.13
4060	2	Shri. Ravi Varma	Dr. Ravi Kumar Singh	521-55-939	14-12-2024	8.15
4061	3	Shri. Ravi Varma	Dr. Ravi Kumar	521-55-933	14-12-2024	8.17
AGRI. BUSINESS MANAGEMENT						
4062	1	Shri. Ravi Varma	Dr. Ravi Kumar	521-55-933	14-12-2024	8.19
4063	2	Shri. Ravi Varma	Dr. Ravi Kumar Singh	521-55-939	14-12-2024	8.21
4064	3	Shri. Ravi Varma	Dr. Ravi Kumar	521-55-933	14-12-2024	8.23
4065	4	Shri. Ravi Varma	Dr. Ravi Kumar Singh	521-55-939	14-12-2024	8.25
4066	5	Shri. Ravi Varma	Dr. Ravi Kumar	521-55-933	14-12-2024	8.27

4567	6	Bellari	Dr. Jagdeep Singh	511-5544-AB01	11-11-2024	5.98
4568	7	Aradhya Sharma	Dr. Kunal Kishan	511-5547-AB01	11-11-2024	5.90
4569	4	Pavanya	Dr. Lakshman Singh	511-5549-AB01	11-11-2024	5.87
4570	4	Kamandeep Jaha	Dr. Laxman Kumar	511-55-101-AB01	11-11-2024	5.70
4571	10	Agarwal	Dr. Shagun Singh Dhawan	511-55-41-AB01	11-11-2024	5.10
4572	11	Arjun Sharma	Dr. Anshu Prashant Sharma	511-55-101-AB01	11-11-2024	5.10
4573	11	Mahesh Thakur	Dr. Janki Sharma	511-55-101-AB01	11-11-2024	5.11
4574	11	Aradhya	Dr. Anshu Singh	511-55-101-AB01	11-11-2024	5.10
4575	14	Aradhya Singh	Dr. Anshu Singh	511-55-41-AB01	11-11-2024	5.14

1.7 Master of Science in Basic Sciences

PLANT PHYSIOLOGY

4576	1	Aradhya Sharma	Dr. Kunal Lal	511-5588-40	09-01-2024	5.18
4577	1	Aradhya Sharma	Dr. Laxman Kumar	511-5585-40	09-01-2024	5.18
4578	4	Pavanya	Dr. Laxman Kumar	511-5585-70	09-01-2024	5.18
4579	4	Vishal Dhalpuri	Dr. Jagdish Ray	511-5588-70	09-01-2024	5.18
4580	8	Aradhya Sharma	Dr. J. C. Dhalpuri	511-5588-80	17-01-2024	5.10

STATISTICS

4581	1	Aradhya Sharma	Dr. Laxman Kumar Gupta	511-5588-40	09-01-2024	5.18
4582	2	Aradhya Sharma	Dr. Aradhya Sharma	511-5585-11	09-01-2024	5.11
4583	2	Aradhya Sharma	Dr. Laxman Kumar Gupta	511-5588-11	09-01-2024	5.10

MICROBIOLOGY

4584	1	Aradhya Sharma	Dr. Aradhya Sharma	511-5585-70	11-11-2024	5.10
4585	1	Aradhya Sharma	Dr. Aradhya Sharma	511-5585-40	11-11-2024	5.10

1.8 Master of Science in Horticulture & Forestry

HORTICULTURE (FRUIT SCIENCE)

4586	1	Aradhya Sharma	Dr. Aradhya Sharma	511-5587-11	11-11-2024	5.10
4587	1	Aradhya Sharma	Dr. Aradhya Sharma	511-5587-11	11-11-2024	5.14
4588	3	Aradhya Sharma	Dr. Aradhya Sharma	511-5587-11	11-11-2024	5.14
4589	4	Aradhya Sharma	Dr. Aradhya Sharma	511-5587-11	11-11-2024	5.10
4590	4	Aradhya Sharma	Dr. Aradhya Sharma	511-5587-11	11-11-2024	5.10
4591	4	Aradhya Sharma	Dr. Aradhya Sharma	511-5587-11	11-11-2024	5.10
4592	7	Aradhya Sharma	Dr. Aradhya Sharma	511-5587-11	11-11-2024	5.10

POST HARMET MANAGEMENT

4593	1	Aradhya Sharma	Dr. Aradhya Sharma	511-5587-11	11-11-2024	5.10
4594	1	Aradhya Sharma	Dr. Aradhya Sharma	511-5587-11	11-11-2024	5.10
4595	1	Aradhya Sharma	Dr. Aradhya Sharma	511-5587-11	11-11-2024	5.10
4596	3	Aradhya Sharma	Dr. Aradhya Sharma	511-5587-11	11-11-2024	5.10
4597	7	Aradhya Sharma	Dr. Aradhya Sharma	511-5587-11	11-11-2024	5.10
4598	7	Aradhya Sharma	Dr. Aradhya Sharma	511-5587-11	11-11-2024	5.10
4599	7	Aradhya Sharma	Dr. Aradhya Sharma	511-5587-11	11-11-2024	5.10
4600	7	Aradhya Sharma	Dr. Aradhya Sharma	511-5587-11	11-11-2024	5.10
4601	7	Aradhya Sharma	Dr. Aradhya Sharma	511-5587-11	11-11-2024	5.10

ANIMAL HUSBANDRY AND AGROFORESTRY

4602	1	Aradhya Sharma	Dr. Aradhya Sharma	511-5587-11	11-11-2024	5.10
4603	1	Aradhya Sharma	Dr. Aradhya Sharma	511-5587-11	11-11-2024	5.10
4604	1	Aradhya Sharma	Dr. Aradhya Sharma	511-5587-11	11-11-2024	5.10

HORTICULTURE (VEGETABLE SCIENCE)

Sl. No.	Rank	Name	Age	Score	Percentage	Grade
4384	1	Aravind A	18	100	100.00	A+
4385	2	Mr. Mahesh P	18	95	95.00	A
4386	3	Ramkumar K	18	90	90.00	B
4387	4	Suresh K	18	85	85.00	C
4388	5	Sanjay K	18	80	80.00	D
4389	6	Manoj K	18	75	75.00	E
4390	7	Aravind K	18	70	70.00	F
4391	8	Aravind K	18	65	65.00	G
4392	9	Aravind K	18	60	60.00	H
4393	10	Aravind K	18	55	55.00	I

CONTROLLING FLORA-VITUM & LAND CARE

[illegible]1.9 *Manner of Taxation in Agricultural Engineering*

1. 本表为初步统计，仅供参考，不作为法律依据。

NO.	Company Name	Address	City	State	Zip
-----	--------------	---------	------	-------	-----

2.74 *Journal of Interpersonal Violence 26(1)*

5.1.1. *Abstracting Class*

4018	1	Kanagajin Kori	Dr. Subbaraj Singh	731-307-410	06-03-2014	1.40
4019	2	Kanella, Sujin, Kumar Doshi	Dr. Kariya Kuntana Rastay	731-307-410	06-03-2014	1.30
4020	1	Aravil	Dr. A. N. Kumar	731-307-457	06-03-2014	1.35
4021	4	Chen, Tai Ann, Leanne	Dr. Subbaraj Singh	731-307-410	17-03-2014	1.30

ADVANCED PAULTECH TECHNOLOGIES

422	Tarant, Valeriy	28. June 23, 1960	7-11 327-426	04-1-0024	* 22
-----	-----------------	-------------------	--------------	-----------	------

LITERATURE CITED

454	John N. K.	St. John's Church	121 1/2 St. John's	10-11-1914	1.0
455	James N. K.	St. John's Church	121 1/2 St. John's	10-11-1914	1.0

ANIMAL REPRODUCTION AND DEVELOPMENT 4 (1984) 111-115

4500	Light Green Kraft	SA (B) Green Kraft	31	3075-470	50-45-2034	1.00
------	-------------------	--------------------	----	----------	------------	------

Author's address: School of Management,
University of Queensland, St. Louis, Australia

ATIS	Rank	ATIS	Rank	ATIS	Rank	ATIS	Rank
4031	1	4032	2	4033	3	4034	4
4035	5	4036	6	4037	7	4038	8
4039	9	4040	10	4041	11	4042	12
4043	13	4044	14	4045	15	4046	16

INTERIMARY MICROBIOLOGY

44.02	1	1 hours, 45 mins	Dr. Giovanni Cristofari	0.21, 0.07, 0.17	11.04.2024	4.28
-------	---	------------------	-------------------------	------------------	------------	------

SUPPLEMENTARY PATHOLOGY

420	1	Bank of America	1000000000	1000000000	1000000000
421	2	Bank of America	1000000000	1000000000	1000000000

INTERFACIAL PHENOMENOLOGY

455	1	Lowland Lake	Dr. William Long	14125-41	10-1-1984	71
-----	---	--------------	------------------	----------	-----------	----

LETTERS TO THE EDITOR, CORRIGENDUMS, EXTENDED REPORTS

4566	Rafines	Dr. Ramon M. Nagata	5-11-6071-6072	09-03-2004	1.00
------	---------	---------------------	----------------	------------	------

JOURNAL OF PUBLIC HEALTH AND EPIDEMIOLOGY

4037	1	McClurel Rose	Dr. Tullius Keshnath	221-387-488	01-03-2024	7.97
4038	2	Johnson Robert	Dr. Tullius Keshnath	221-387-488	21-03-2024	7.48
INTERMEDIATE BUSINESS AND RADIOLOGY						
4039	1	Chaudhary Deep	Dr. Tullius Keshnath	221-387-488	11-03-2024	8.00
4040	2	Kumar Ganga	Dr. Tullius Keshnath	221-387-488	04-03-2024	8.12

Under Graduate

3.7 Bachelor of Science (Hons.) in Agriculture

Rank 1014

4041	1	Arora Arun	Dr. Arun Singh Arora	221-Agr-110	11-07-2024	7.29
------	---	------------	----------------------	-------------	------------	------

Rank 1015

4042	1	Arora L. Div	Dr. Arun Singh	221-Agr-112	04-01-2024	7.30
4043	2	Arora Deepa Priya	Dr. Arun Singh	221-Agr-112	11-07-2024	7.31
4044	3	Arora Arun	Dr. Arun Singh	221-Agr-112	11-07-2024	7.40
4045	4	Arora Arun Singh	Dr. Arun Singh	221-Agr-112	11-07-2024	7.40
4046	5	Arora Arun Singh	Dr. Arun Singh	221-Agr-112	04-01-2024	7.47

Rank 1016

4047	1	Arora Arun	Dr. Arun Singh	221-Agr-112	11-07-2024	7.47
4048	2	Arora Arun	Dr. Arun Singh	221-Agr-112	11-07-2024	7.47

4049	3	Arora Arun	Dr. Arun Singh	221-Agr-112	11-07-2024	7.47
------	---	------------	----------------	-------------	------------	------

4050	4	Arora Arun	Dr. Arun Singh	221-Agr-112	11-07-2024	7.47
------	---	------------	----------------	-------------	------------	------

4051	5	Arora Arun	Dr. Arun Singh	221-Agr-112	11-07-2024	7.47
------	---	------------	----------------	-------------	------------	------

4052	6	Arora Arun	Dr. Arun Singh	221-Agr-112	11-07-2024	7.47
------	---	------------	----------------	-------------	------------	------

4053	7	Arora Arun	Dr. Arun Singh	221-Agr-112	11-07-2024	7.47
------	---	------------	----------------	-------------	------------	------

4054	8	Arora Arun	Dr. Arun Singh	221-Agr-112	11-07-2024	7.47
------	---	------------	----------------	-------------	------------	------

4055	9	Arora Arun	Dr. Arun Singh	221-Agr-112	11-07-2024	7.47
------	---	------------	----------------	-------------	------------	------

4056	10	Arora Arun	Dr. Arun Singh	221-Agr-112	11-07-2024	7.47
------	----	------------	----------------	-------------	------------	------

4057	11	Arora Arun	Dr. Arun Singh	221-Agr-112	11-07-2024	7.47
------	----	------------	----------------	-------------	------------	------

4058	12	Arora Arun	Dr. Arun Singh	221-Agr-112	11-07-2024	7.47
------	----	------------	----------------	-------------	------------	------

4059	13	Arora Arun	Dr. Arun Singh	221-Agr-112	11-07-2024	7.47
------	----	------------	----------------	-------------	------------	------

4060	14	Arora Arun	Dr. Arun Singh	221-Agr-112	11-07-2024	7.47
------	----	------------	----------------	-------------	------------	------

4061	15	Arora Arun	Dr. Arun Singh	221-Agr-112	11-07-2024	7.47
------	----	------------	----------------	-------------	------------	------

4062	16	Arora Arun	Dr. Arun Singh	221-Agr-112	11-07-2024	7.47
------	----	------------	----------------	-------------	------------	------

4063	17	Arora Arun	Dr. Arun Singh	221-Agr-112	11-07-2024	7.47
------	----	------------	----------------	-------------	------------	------

4064	18	Arora Arun	Dr. Arun Singh	221-Agr-112	11-07-2024	7.47
------	----	------------	----------------	-------------	------------	------

4065	19	Arora Arun	Dr. Arun Singh	221-Agr-112	11-07-2024	7.47
------	----	------------	----------------	-------------	------------	------

4066	20	Arora Arun	Dr. Arun Singh	221-Agr-112	11-07-2024	7.47
------	----	------------	----------------	-------------	------------	------

4067	21	Arora Arun	Dr. Arun Singh	221-Agr-112	11-07-2024	7.47
------	----	------------	----------------	-------------	------------	------

4068	22	Arora Arun	Dr. Arun Singh	221-Agr-112	11-07-2024	7.47
------	----	------------	----------------	-------------	------------	------

4069	23	Arora Arun	Dr. Arun Singh	221-Agr-112	11-07-2024	7.47
------	----	------------	----------------	-------------	------------	------

4070	24	Arora Arun	Dr. Arun Singh	221-Agr-112	11-07-2024	7.47
------	----	------------	----------------	-------------	------------	------

4071	25	Arora Arun	Dr. Arun Singh	221-Agr-112	11-07-2024	7.47
------	----	------------	----------------	-------------	------------	------

4072	26	Arora Arun	Dr. Arun Singh	221-Agr-112	11-07-2024	7.47
------	----	------------	----------------	-------------	------------	------

4073	27	Arora Arun	Dr. Arun Singh	221-Agr-112	11-07-2024	7.47
------	----	------------	----------------	-------------	------------	------

4074	28	Arora Arun	Dr. Arun Singh	221-Agr-112	11-07-2024	7.47
------	----	------------	----------------	-------------	------------	------

4075	29	Arora Arun	Dr. Arun Singh	221-Agr-112	11-07-2024	7.47
------	----	------------	----------------	-------------	------------	------

4076	30	Arora Arun	Dr. Arun Singh	221-Agr-112	11-07-2024	7.47
------	----	------------	----------------	-------------	------------	------

4077	11	Tarun Pradyum Sharma	Dr. Kamlesh Chander Sharma	1-10-Apr-1110	11-07-2014	7.11
4078	12	Jaishree Sharma	Dr. Pooja Chaudh	1-10-Apr-1111	11-07-2014	7.11
4079	13	Kishore Kumar	Dr. Navendu Singh	1-10-Apr-1111	11-07-2014	7.10
4080	14	Umesh Talwar	Dr. Talwar Talwar	1-10-Apr-1112	11-07-2014	7.11
4081	15	Kamlesh Sharma	Dr. Shashi K. Sharma	1-10-Apr-1112	11-07-2014	4.10
4082	16	Naraj Sharma	Dr. Pooja Kumar Sharma	1-10-Apr-1112	11-07-2014	7.11
4083	17	Aruna Mahesh Shukla	Dr. Aruna Mahesh Shukla	1-10-Apr-1112	11-07-2014	7.11
4084	18	Devi	Dr. Vishu Day	1-10-Apr-1112	11-07-2014	7.08
4085	19	Pragati Kaur	Dr. Prateek Kaur	1-10-Apr-1112	11-07-2014	7.11
4086	20	Siddharth Singh Puri	Dr. Kishore Singh Puri	1-10-Apr-1117	11-07-2014	7.00
4087	21	Aruna Sharma	Dr. Trishita Sharma	1-10-Apr-1118	11-07-2014	6.10
4088	22	Vishu Singh Mehta	Dr. Mohanlal Singh Mehta	1-10-Apr-1118	11-07-2014	1.04
4089	23	Aruna Mahesh Shukla	Dr. Aruna Mahesh Shukla	1-10-Apr-1118	11-07-2014	7.11
4090	24	Devi Kaur	Dr. Devika Kaur	1-10-Apr-1118	11-07-2014	6.00
4091	25	Shruti Sharma	Dr. Shashi K. Sharma	1-10-Apr-1118	11-07-2014	6.07
4092	26	Pooja Sharma	Dr. Kamlesh Kumar Sharma	1-10-Apr-1118	11-07-2014	7.08
4093	27	Shashi Sharma	Dr. Kamlesh Singh Sharma	1-10-Apr-1117	11-07-2014	6.10
4094	28	Chiranjeev Kaur	Dr. Chiranjeev Singh Kaur	1-10-Apr-1118	11-07-2014	7.11
4095	29	Pragati Kaur	Dr. Prateek Kaur	1-10-Apr-1118	11-07-2014	7.04
4096	30	Vishu Singh Mehta	Dr. Mohanlal Singh Mehta	1-10-Apr-1118	11-07-2014	1.04
4097	31	Aruna Sharma	Dr. Aruna Sharma	1-10-Apr-1118	11-07-2014	7.00
4098	32	Shashi Kaur	Dr. Shashi Kaur	1-10-Apr-1118	11-07-2014	7.11
4099	33	Shashi K. Sharma	Dr. Kamlesh Chander	1-10-Apr-1118	11-07-2014	1.47
4100	34	Pragati Kaur	Dr. Prateek Kaur	1-10-Apr-1118	11-07-2014	6.08
4101	35	Aruna Mahesh Shukla	Dr. Mohanlal Singh Shukla	1-10-Apr-1118	11-07-2014	7.11
4102	36	Shashi Kaur	Dr. Shashi Kaur	1-10-Apr-1118	11-07-2014	7.10
4103	37	Aruna Mahesh Shukla	Dr. Aruna Mahesh Shukla	1-10-Apr-1117	11-07-2014	7.10
4104	38	Shashi Kaur	Dr. Shashi Kaur	1-10-Apr-1118	11-07-2014	6.08
4105	39	Shashi Kaur	Dr. Shashi Kaur	1-10-Apr-1118	11-07-2014	7.01
4106	40	Shashi Kaur	Dr. Shashi Kaur	1-10-Apr-1118	11-07-2014	7.01
4107	41	Shashi Kaur	Dr. Shashi Kaur	1-10-Apr-1118	11-07-2014	7.01
4108	42	Shashi Kaur	Dr. Shashi Kaur	1-10-Apr-1118	11-07-2014	7.01
4109	43	Shashi Kaur	Dr. Shashi Kaur	1-10-Apr-1118	11-07-2014	7.01
4110	44	Shashi Kaur	Dr. Shashi Kaur	1-10-Apr-1118	11-07-2014	7.01
4111	45	Shashi Kaur	Dr. Shashi Kaur	1-10-Apr-1118	11-07-2014	7.01
4112	46	Shashi Kaur	Dr. Shashi Kaur	1-10-Apr-1118	11-07-2014	7.01
4113	47	Shashi Kaur	Dr. Shashi Kaur	1-10-Apr-1118	11-07-2014	7.01
4114	48	Shashi Kaur	Dr. Shashi Kaur	1-10-Apr-1118	11-07-2014	7.01
4115	49	Shashi Kaur	Dr. Shashi Kaur	1-10-Apr-1118	11-07-2014	7.01
4116	50	Shashi Kaur	Dr. Shashi Kaur	1-10-Apr-1118	11-07-2014	7.01
4117	51	Shashi Kaur	Dr. Shashi Kaur	1-10-Apr-1118	11-07-2014	7.01
4118	52	Shashi Kaur	Dr. Shashi Kaur	1-10-Apr-1118	11-07-2014	7.01
4119	53	Shashi Kaur	Dr. Shashi Kaur	1-10-Apr-1118	11-07-2014	7.01
4120	54	Shashi Kaur	Dr. Shashi Kaur	1-10-Apr-1118	11-07-2014	7.01
4121	55	Shashi Kaur	Dr. Shashi Kaur	1-10-Apr-1118	11-07-2014	7.01
4122	56	Shashi Kaur	Dr. Shashi Kaur	1-10-Apr-1118	11-07-2014	7.01
4123	57	Shashi Kaur	Dr. Shashi Kaur	1-10-Apr-1118	11-07-2014	7.01
4124	58	Shashi Kaur	Dr. Shashi Kaur	1-10-Apr-1118	11-07-2014	7.01
4125	59	Shashi Kaur	Dr. Shashi Kaur	1-10-Apr-1118	11-07-2014	7.01
4126	60	Shashi Kaur	Dr. Shashi Kaur	1-10-Apr-1118	11-07-2014	7.01
4127	61	Shashi Kaur	Dr. Shashi Kaur	1-10-Apr-1118	11-07-2014	7.01
4128	62	Shashi Kaur	Dr. Shashi Kaur	1-10-Apr-1118	11-07-2014	7.01
4129	63	Shashi Kaur	Dr. Shashi Kaur	1-10-Apr-1118	11-07-2014	7.01
4130	64	Shashi Kaur	Dr. Shashi Kaur	1-10-Apr-1118	11-07-2014	7.01
4131	65	Shashi Kaur	Dr. Shashi Kaur	1-10-Apr-1118	11-07-2014	7.01
4132	66	Shashi Kaur	Dr. Shashi Kaur	1-10-Apr-1118	11-07-2014	7.01
4133	67	Shashi Kaur	Dr. Shashi Kaur	1-10-Apr-1118	11-07-2014	7.01
4134	68	Shashi Kaur	Dr. Shashi Kaur	1-10-Apr-1118	11-07-2014	7.01
4135	69	Shashi Kaur	Dr. Shashi Kaur	1-10-Apr-1118	11-07-2014	7.01
4136	70	Shashi Kaur	Dr. Shashi Kaur	1-10-Apr-1118	11-07-2014	7.01
4137	71	Shashi Kaur	Dr. Shashi Kaur	1-10-Apr-1118	11-07-2014	7.01
4138	72	Shashi Kaur	Dr. Shashi Kaur	1-10-Apr-1118	11-07-2014	7.01
4139	73	Shashi Kaur	Dr. Shashi Kaur	1-10-Apr-1118	11-07-2014	7.01
4140	74	Shashi Kaur	Dr. Shashi Kaur	1-10-Apr-1118	11-07-2014	7.01
4141	75	Shashi Kaur	Dr. Shashi Kaur	1-10-Apr-1118	11-07-2014	7.01
4142	76	Shashi Kaur	Dr. Shashi Kaur	1-10-Apr-1118	11-07-2014	7.01
4143	77	Shashi Kaur	Dr. Shashi Kaur	1-10-Apr-1118	11-07-2014	7.01
4144	78	Shashi Kaur	Dr. Shashi Kaur	1-10-Apr-1118	11-07-2014	7.01
4145	79	Shashi Kaur	Dr. Shashi Kaur	1-10-Apr-1118	11-07-2014	7.01
4146	80	Shashi Kaur	Dr. Shashi Kaur	1-10-Apr-1118	11-07-2014	7.01
4147	81	Shashi Kaur	Dr. Shashi Kaur	1-10-Apr-1118	11-07-2014	7.01
4148	82	Shashi Kaur	Dr. Shashi Kaur	1-10-Apr-1118	11-07-2014	7.01
4149	83	Shashi Kaur	Dr. Shashi Kaur	1-10-Apr-1118	11-07-2014	7.01
4150	84	Shashi Kaur	Dr. Shashi Kaur	1-10-Apr-1118	11-07-2014	7.01
4151	85	Shashi Kaur	Dr. Shashi Kaur	1-10-Apr-1118	11-07-2014	7.01
4152	86	Shashi Kaur	Dr. Shashi Kaur	1-10-Apr-1118	11-07-2014	7.01
4153	87	Shashi Kaur	Dr. Shashi Kaur	1-10-Apr-1118	11-07-2014	7.01
4154	88	Shashi Kaur	Dr. Shashi Kaur	1-10-Apr-1118	11-07-2014	7.01
4155	89	Shashi Kaur	Dr. Shashi Kaur	1-10-Apr-1118	11-07-2014	7.01
4156	90	Shashi Kaur	Dr. Shashi Kaur	1-10-Apr-1118	11-07-2014	7.01
4157	91	Shashi Kaur	Dr. Shashi Kaur	1-10-Apr-1118	11-07-2014	7.01
4158	92	Shashi Kaur	Dr. Shashi Kaur	1-10-Apr-1118	11-07-2014	7.01
4159	93	Shashi Kaur	Dr. Shashi Kaur	1-10-Apr-1118	11-07-2014	7.01
4160	94	Shashi Kaur	Dr. Shashi Kaur	1-10-Apr-1118	11-07-2014	7.01
4161	95	Shashi Kaur	Dr. Shashi Kaur	1-10-Apr-1118	11-07-2014	7.01
4162	96	Shashi Kaur	Dr. Shashi Kaur	1-10-Apr-1118	11-07-2014	7.01
4163	97	Shashi Kaur	Dr. Shashi Kaur	1-10-Apr-1118	11-07-2014	7.01
4164	98	Shashi Kaur	Dr. Shashi Kaur	1-10-Apr-1118	11-07-2014	7.01
4165	99	Shashi Kaur	Dr. Shashi Kaur	1-10-Apr-1118	11-07-2014	7.01
4166	100	Shashi Kaur	Dr. Shashi Kaur	1-10-Apr-1118	11-07-2014	7.01

4421	76	Hitesh Kumar	Dr. Hitesh Kumar	1-10-Apr-11:00	11-07-2024	8.00
4422	77	Ashish Kumar	Dr. Ashish Kumar	1-10-Apr-11:30	11-07-2024	7.50
4423	78	Anurag Kumar	Dr. Anurag Kumar	1-10-Apr-11:30	11-07-2024	7.00
4424	79	Omeng	Dr. Omeng	1-10-Apr-11:30	11-07-2024	7.10
4425	80	Shashank Ray	Dr. Shashank Ray	1-10-Apr-11:30	11-07-2024	12.00
4426	81	Parvath Kumar	Dr. Parvath Kumar	1-10-Apr-11:30	11-07-2024	7.00
4427	82	Sujay Singh	Dr. Sujay Singh	1-10-Apr-11:30	11-07-2024	8.00
4428	83	Vishal Datta	Dr. Vishal Datta	1-10-Apr-11:30	11-07-2024	12.00
4429	84	Anand Kumar	Dr. Anand Kumar	1-10-Apr-11:30	11-07-2024	12.00
4430	85	Vishal Kumar	Dr. Vishal Kumar	1-10-Apr-11:30	11-07-2024	7.00
4431	86	Harish Kumar	Dr. Harish Kumar	1-10-Apr-11:30	11-07-2024	7.00
4432	87	Anurag Kumar	Dr. Anurag Kumar	1-10-Apr-11:30	11-07-2024	7.00
4433	88	Ram Kumar	Dr. Ram Kumar	1-10-Apr-11:30	11-07-2024	12.00
4434	89	Anand Kumar	Dr. Anand Kumar	1-10-Apr-11:30	11-07-2024	7.00
4435	90	Anurag Kumar	Dr. Anurag Kumar	1-10-Apr-11:30	11-07-2024	7.00
4436	91	Anurag Kumar	Dr. Anurag Kumar	1-10-Apr-11:30	11-07-2024	7.00

2.2 Section of Technology in Agriculture

Rank 1018

4437	1	Anurag Kumar	Dr. Anurag Kumar	1-10-Apr-11:30	11-07-2024	7.00
4438	2	Anurag Kumar	Dr. Anurag Kumar	1-10-Apr-11:30	11-07-2024	8.00

Rank 1019

4439	1	Anurag Kumar	Dr. Anurag Kumar	1-10-Apr-11:30	11-07-2024	8.00
4440	2	Anurag Kumar	Dr. Anurag Kumar	1-10-Apr-11:30	11-07-2024	7.00

Rank 1020

4441	1	Anurag Kumar	Dr. Anurag Kumar	1-10-Apr-11:30	11-07-2024	8.00
4442	2	Anurag Kumar	Dr. Anurag Kumar	1-10-Apr-11:30	11-07-2024	7.00
4443	3	Anurag Kumar	Dr. Anurag Kumar	1-10-Apr-11:30	11-07-2024	7.00
4444	4	Anurag Kumar	Dr. Anurag Kumar	1-10-Apr-11:30	11-07-2024	7.00
4445	5	Anurag Kumar	Dr. Anurag Kumar	1-10-Apr-11:30	11-07-2024	7.00
4446	6	Anurag Kumar	Dr. Anurag Kumar	1-10-Apr-11:30	11-07-2024	7.00
4447	7	Anurag Kumar	Dr. Anurag Kumar	1-10-Apr-11:30	11-07-2024	7.00
4448	8	Anurag Kumar	Dr. Anurag Kumar	1-10-Apr-11:30	11-07-2024	7.00
4449	9	Anurag Kumar	Dr. Anurag Kumar	1-10-Apr-11:30	11-07-2024	7.00
4450	10	Anurag Kumar	Dr. Anurag Kumar	1-10-Apr-11:30	11-07-2024	7.00
4451	11	Anurag Kumar	Dr. Anurag Kumar	1-10-Apr-11:30	11-07-2024	7.00
4452	12	Anurag Kumar	Dr. Anurag Kumar	1-10-Apr-11:30	11-07-2024	7.00
4453	13	Anurag Kumar	Dr. Anurag Kumar	1-10-Apr-11:30	11-07-2024	7.00
4454	14	Anurag Kumar	Dr. Anurag Kumar	1-10-Apr-11:30	11-07-2024	7.00
4455	15	Anurag Kumar	Dr. Anurag Kumar	1-10-Apr-11:30	11-07-2024	7.00
4456	16	Anurag Kumar	Dr. Anurag Kumar	1-10-Apr-11:30	11-07-2024	7.00
4457	17	Anurag Kumar	Dr. Anurag Kumar	1-10-Apr-11:30	11-07-2024	7.00
4458	18	Anurag Kumar	Dr. Anurag Kumar	1-10-Apr-11:30	11-07-2024	7.00
4459	19	Anurag Kumar	Dr. Anurag Kumar	1-10-Apr-11:30	11-07-2024	7.00
4460	20	Anurag Kumar	Dr. Anurag Kumar	1-10-Apr-11:30	11-07-2024	7.00
4461	21	Anurag Kumar	Dr. Anurag Kumar	1-10-Apr-11:30	11-07-2024	7.00

4403	22	Salim Ali Khan	Dr. Kuber Singh	5.20-Kanab-279	22.05.2024	7.22
4404	23	Salim Ali Khan	Dr. Kuber Singh	5.20-Kanab-280	22.05.2024	6.17
4405	24	Salim Ali Khan	Dr. Kuber Singh	5.20-Kanab-281	22.05.2024	7.49
4406	25	Salim Ali Khan	Dr. Kuber Singh	5.20-Kanab-282	22.05.2024	7.11

2.2 Bachelor of Veterinary Science & Animal Husbandry (B.V.Sc. & A.H.)

Rank 2024

4407	1	Mohammed Yusuf	Dr. Ali Osman	5.14-BV-301	04.05.2024	6.199
------	---	----------------	---------------	-------------	------------	-------

Rank 2024

4408	1	Yusef Osman	Dr. Yusef Osman	5.14-BV-302	04.05.2024	6.301
------	---	-------------	-----------------	-------------	------------	-------

Rank 2024

4409	1	Yusef Osman	Dr. Yusef Osman	5.14-BV-303	04.05.2024	7.402
4410	2	Yusef Osman	Dr. Yusef Osman	5.14-BV-304	04.05.2024	6.798
4411	3	Yusef Osman	Dr. Yusef Osman	5.14-BV-305	04.05.2024	6.401
4412	4	Yusef Osman	Dr. Yusef Osman	5.14-BV-306	04.05.2024	7.121

Rank 2024

4413	1	Yusef Osman	Dr. Yusef Osman	5.14-BV-307	04.05.2024	6.661
4414	2	Yusef Osman	Dr. Yusef Osman	5.14-BV-308	04.05.2024	6.647
4415	3	Yusef Osman	Dr. Yusef Osman	5.14-BV-309	04.05.2024	7.101
4416	4	Yusef Osman	Dr. Yusef Osman	5.14-BV-310	04.05.2024	6.321
4417	5	Yusef Osman	Dr. Yusef Osman	5.14-BV-311	04.05.2024	6.221

4418	6	Yusef Osman	Dr. Yusef Osman	5.14-BV-312	04.05.2024	7.748
4419	7	Yusef Osman	Dr. Yusef Osman	5.14-BV-313	04.05.2024	7.811
4420	8	Yusef Osman	Dr. Yusef Osman	5.14-BV-314	04.05.2024	6.437
4421	9	Yusef Osman	Dr. Yusef Osman	5.14-BV-315	04.05.2024	7.731
4422	10	Yusef Osman	Dr. Yusef Osman	5.14-BV-316	04.05.2024	7.111

4423	11	Yusef Osman	Dr. Yusef Osman	5.14-BV-317	04.05.2024	7.121
4424	12	Yusef Osman	Dr. Yusef Osman	5.14-BV-318	04.05.2024	7.121
4425	13	Yusef Osman	Dr. Yusef Osman	5.14-BV-319	04.05.2024	6.972
4426	14	Yusef Osman	Dr. Yusef Osman	5.14-BV-320	04.05.2024	7.567
4427	15	Yusef Osman	Dr. Yusef Osman	5.14-BV-321	04.05.2024	7.711

4428	16	Yusef Osman	Dr. Yusef Osman	5.14-BV-322	04.05.2024	6.602
4429	17	Yusef Osman	Dr. Yusef Osman	5.14-BV-323	04.05.2024	7.821
4430	18	Yusef Osman	Dr. Yusef Osman	5.14-BV-324	04.05.2024	6.601
4431	19	Yusef Osman	Dr. Yusef Osman	5.14-BV-325	04.05.2024	7.711
4432	20	Yusef Osman	Dr. Yusef Osman	5.14-BV-326	04.05.2024	7.731

4433	21	Yusef Osman	Dr. Yusef Osman	5.14-BV-327	04.05.2024	7.731
4434	22	Yusef Osman	Dr. Yusef Osman	5.14-BV-328	04.05.2024	7.731
4435	23	Yusef Osman	Dr. Yusef Osman	5.14-BV-329	04.05.2024	7.731
4436	24	Yusef Osman	Dr. Yusef Osman	5.14-BV-330	04.05.2024	7.731
4437	25	Yusef Osman	Dr. Yusef Osman	5.14-BV-331	04.05.2024	7.731

4438	26	Yusef Osman	Dr. Yusef Osman	5.14-BV-332	04.05.2024	7.731
4439	27	Yusef Osman	Dr. Yusef Osman	5.14-BV-333	04.05.2024	7.731
4440	28	Yusef Osman	Dr. Yusef Osman	5.14-BV-334	04.05.2024	7.731
4441	29	Yusef Osman	Dr. Yusef Osman	5.14-BV-335	04.05.2024	7.731
4442	30	Yusef Osman	Dr. Yusef Osman	5.14-BV-336	04.05.2024	7.731

4443	31	Yusef Osman	Dr. Yusef Osman	5.14-BV-337	04.05.2024	7.731
4444	32	Yusef Osman	Dr. Yusef Osman	5.14-BV-338	04.05.2024	6.751

[illegible]

Annexure-VIII



UNIT-2 EXAMINER
UNIVERSITY OF AGRICULTURAL SCIENCES & TECHNOLOGY OF
JAMMU
PROFESSOR

POSTGRADUATE					
Main Sections				Result From June 2024	
Post Graduate Students					
I.1. Director of Philosophy in Agriculture Sciences					
Serch No.	S. No.	Name	Paranagar	Registration No.	Result notified on
AGRICULTURE					
1	1	Prerna Sharma	Dr. Ramesh Lal Sharma	515-D-118-A	01-05-2024
2	2	Arshi Sharma	Dr. Ravi Singh	515-D-118-A	02-05-2024
ENTOMOLOGY					
1	1	Prerna Sharma	Dr. Pradeep Kumar Singh	515-D-118-A	01-05-2024
SOIL SCIENCE AND AGRICULTURAL CHEMISTRY					
1	1	Shruti Sharma	Dr. Rajesh Kumar Sharma	515-D-118-A	01-05-2024
2	2	Shruti Sharma	Dr. Pradeep Kumar Singh	515-D-118-A	01-05-2024
AGRICULTURAL ECONOMICS					
1	1	Harpreet Kaur	Dr. Harpreet Kaur	515-D-118-A	01-05-2024
AGRICULTURAL EXTENSION & COMMUNICATION					
1	1	Shruti Sharma	Dr. Rakesh Kumar Singh	515-D-118-A	01-05-2024
AGRI-BUSINESS MANAGEMENT					
1	1	Shruti Sharma	Dr. Dr. Ravi Singh	515-D-118-A	01-05-2024
I.2. Director of Philosophy in Dairy Sciences					
DAIRY SCIENCE					
1	1	Shruti Sharma	Dr. Rakesh Kumar Singh	515-D-118-A	01-05-2024
I.3. Director of Philosophy in Horticulture & Forestry					
FOOD SCIENCE AND TECHNOLOGY					
1	1	Shruti Sharma	Dr. Rakesh Kumar Singh	515-D-118-A	01-05-2024
I.4. Director of Philosophy in Agricultural Engineering					
FARM MACHINERY AND POWER ENGINEERING					
1	1	Shruti Sharma	Dr. Rakesh Kumar Singh	515-D-118-A	01-05-2024
I.5. Director of Philosophy in Veterinary Sciences					
ANIMAL NUTRITION					
1	1	Shruti Sharma	Dr. Rakesh Kumar Singh	515-D-118-A	01-05-2024
LIVESTOCK PRODUCTS TECHNOLOGY					

1	Salween Shwam	Dr. Aun Kham Shwam	520-05-1154-F	07-03-2024	1.80
VETERINARY MEDICINE					
1	Salween Kham	Dr. Chit Kham Kham	520-05-1163-F	17-06-2024	1.80
VETERINARY SURGERY AND RADIOLOGY					
1	Ayetha Hachay	Dr. Doi Xu Hachay	520-05-1107-F	14-02-2024	1.87
VETERINARY PUBLIC HEALTH AND EPIDEMIOLOGY					
1	Kyau Kyau	Dr. Juntun Kyau	520-05-1164-F	07-03-2024	1.80
B.S. Master of Science in Agriculture & Allied Sciences					
AGRICULTURE					
1	Ayetha Kyau	Dr. Yegone Kyau	521-06-0171	14-03-2024	1.85
2	Ayetha Kham	Dr. Dandan Kham	521-06-0129	04-01-2024	1.85
3	Donat	Dr. Kham Kham	521-06-0461	08-01-2024	1.89
4	Myat Kyau	Dr. Don Kham	521-06-0405	06-01-2024	1.87
5	Salween Kyau	Dr. Kham Kyau	521-06-0400	06-01-2024	1.88
AGRI-FORESTRY ECONOMICS					
1	Donat Kyau	Dr. Kyau Kyau YB	521-06-0175	08-01-2024	1.88
PLANT PATHOLOGY					
1	Donat Kyau	Dr. Kham Kyau Kyau	521-06-0400	08-01-2024	1.88
SOIL SCIENCE					
1	Donat Kyau	Dr. Dandan Kyau	521-06-0411	10-02-2024	1.84
B.S. Master of Science in Horticulture & Forestry					
HORTICULTURE / FRUIT SCIENCE					
1	Donat Kyau	Dr. Kyau Kyau Kyau	521-06-0171	11-02-2024	1.88
2	Donat	Dr. Kyau Kyau	521-06-0171	07-01-2024	1.84
3	Donat Kyau	Dr. Kyau Kyau Kyau	521-06-0171	11-01-2024	1.79
POST HARVEST MANAGEMENT					
1	Donat Kyau	Dr. Kyau Kyau	521-06-0171	11-01-2024	1.82
2	Donat Kyau	Dr. Kyau Kyau	521-06-0171	10-01-2024	1.80
HORTICULTURE / FLOWERING & LANDSCAPING					
1	Donat Kyau	Dr. Kyau Kyau	521-06-0171	10-01-2024	1.80
2	Donat Kyau	Dr. Kyau Kyau	521-06-0171	10-01-2024	1.81
3	Donat Kyau	Dr. Kyau Kyau	521-06-0171	11-01-2024	1.83
4	Donat Kyau	Dr. Kyau Kyau	521-06-0171	11-01-2024	1.79
B.S. Master of Science in Forestry & Agriculture					
ANIMAL SCIENCE					
1	Donat	Dr. A.C. Kyau	521-06-0171	10-01-2024	1.87
VETERINARY & ANIMAL HUSBANDRY EXTENSION EDUCATION					
1	Donat	Dr. Kyau Kyau	521-06-0171	10-01-2024	1.88

Annexure-IX



3110

[illegible][illegible]

Journal of Management Inquiry

© 2006 Blackwell Publishing Ltd *Journal of Internal Medicine* 260: 104–110

Dec 11, 2007

1510

Editorial Board, *WORLDWIDE JOURNAL OF MANAGEMENT RESEARCH*
 Dept. of Management, University of North Carolina at Charlotte
 9201 University Heights, Charlotte, NC 28223-3995
 Phone: 704/388-7300, Fax: 704/388-7301, Email: wmr@uncc.edu
 Website: <http://www.uncc.edu/wmr>

© 2004 Blackwell Publishing Ltd, *Journal of Internal Medicine* 255: 105–112

Annexure-X



Shri-G-Mastomir
University of Agricultural Sciences and Technology of Jammu
Faculty of Dairy Technology

Dr. J.S. Sooden

Dean

No. AU/DTT/2024-25/P⁰/452

Date: 30.12.2024

Agenda: Release of Mathematics course for students having Biology (PCB) at 10+2 level.

Since, SETAS/STARS is also allowing students with PCB at 10+2 level for admission in B.Tech. (Dairy Technology), hence amendment is required in course curriculum for students admitted with PCB at 10+2 level. As per 4th Dean's committee meeting held PCB has been kept in the minimum requirement for getting admissions in B.Tech. (Dairy Technology). Since our university is admitting students with PCB also along with PCM, the basic course of mathematics (Maths II) credit score 10+2 level has included as compulsory course for students with PCB background at 10+2 level. The syllabus of Basic mathematics course has been appended for your kind reference and approval.

Dr. J.S. Sooden
 Dean

SKUAST
 JAMMU

Secretary, Jammu University, SRAGU-1
 K. P. J. S. Sooden, Jammu, Jammu

Dr. J.S. Sooden
 Dean

No. and sample printouts appended for your kind reference and approval

Annexure-XI



State-Rajender University of Agricultural Sciences and Technology of Jammu
Faculty of Basic Sciences, Chatha, Jammu - 180008



Prof. S.R.M. Haid
Dean

No. AC/BS/2024-25/10/1/1/10
Dated 10/10/2024

Registered Vice-Chancellor
Academic Council
180008-1

For: Agenda Item for the 26th meeting of Academic Council-Regd.

To,

In reference to the circular No. AC/BS/2024-25/10/1/1/10 dated 10/10/2024, kindly find enclosed herewith the decision, agenda item for the 26th Meeting of Academic Council from the Faculty for the 11th semester of regular Faculty of Basic Sciences and Faculty of Basic Sciences & Commerce.

Please for your kind information and further necessary action, please.

Yours Sincerely,

(Signature)
Date

Best Regards

Proposal for Faculty of Basic Sciences & Humanities, SKUAST-Jammu
(Up gradation of existing faculty of Basic Sciences)

It is proposed that Faculty of Basic Sciences SKUAST Jammu, which was established in July, 2012 vide Univ. Notification No 14 (Sec) of 2012, Dated 12-07-2012 after its approval in the 13th Meeting of University Council held on 12-04-2012, may be strengthened and re-designate as 'Faculty of Basic Sciences and Humanities' that is needed due to its importance and implications as envisaged in the National Education Policy (NEP-2009) to establish Departments in Languages, Mathematics, Statistics, Pure and Applied Sciences, Sociology, and other such subjects needed for a multidisciplinary stimulating educational environment in higher education institutions. This is also in line with University Act, 1961 Chapter No 1 Sec. 12. Further that says "Each university shall have initially the Faculties of Agriculture, Veterinary science & animal husbandry and Post-graduate Studies and as soon as may be it shall also have the Faculties of Science, Basic Science and Humanities and such other faculties as may be permitted".

The detail of the existing and required teaching and non-teaching personnel of the various divisions to be created in the proposed Faculty of Basic Sciences and Humanities is given follows:

Detail of teaching positions

Position	Sanctioned	Minimum Requirement	Gap
Dean	01	01	0
Assistant Professor (Education)	00	01	01
Existing Division			
Division of Statistics and Computer Science¹			
Professor	0	01	01
Associate Professor	02	02	00
Assistant Professor	02	06	04
Division of Biochemistry			
Professor	01	01	0
Associate Professor	02	02	00
Assistant Professor	02	04	02
Division of Plant Physiology			
Professor	0	01	01
Associate Professor	01	02	01
Assistant Professor	02	04	02
Division of Microbiology			
Professor	0	01	01

Assistant Professor	0	05	05
Assistant Professor	02	04	02
Newly Proposed Division			
Position	Sanctioned	Minimum Requirement	Gap
Division of Culture and Language (Dori Culture, Hindi, English, Urdu and Farsi/Urdu)			
Professor	0	01	01
Assistant Professor	0	01	01
Assistant Professor	0	05	05
Division of Environmental Sciences			
Professor	0	01	01
Assistant Professor	0	02	02
Assistant Professor	0	04	04
Division of Mathematics			
Professor	0	01	01
Assistant Professor	0	05	05
Assistant Professor	0	04	04
Division of Chemistry			
Professor	0	01	01
Assistant Professor	0	05	05
Assistant Professor	0	04	04
Division of Computer Science			
Professor	0	01	01
Assistant Professor	0	02	02
Assistant Professor	0	04	04
Division of Social Sciences			
Professor	0	01	01
Assistant Professor	0	02	02
Assistant Professor	0	04	04

Summary (Teaching position)

Sr. No.	Post	Proposed positions	Existing positions	GAP
1	Dean	01	01	00
2	Professor	10	01	09
3	Assoc. Professor	25	02	23
4	Assistant Professor	43	38	05
5	Assistant Professor (Kinesiology)	01	00	01
Total		80	42	38

*Company Science will be offered from Division of Business & Company Science and against Division will be vacant.

Service Division for the Faculty of Agriculture, Faculty of Engineering and Forestry, Faculty of Veterinary Science and All, Faculty of Agriculture Engineering, Faculty of Dairy Science, Faculty of Basic Science and Community and Faculty of Community Science

**English and French are required for working at 10 and 20 level respectively. Other languages are required for particular of Farm Literacy in regional languages and establishment of languages 10

Service Division of Division of Extension Education

Detail of non-teaching positions

Administrative Office of the Dean			
Post	Existing positions	Minimum requirement	GAP
Administrative Officer Asst. Registrar	00	01	01
Administrative Officer Asst. Comptroller	0	01	01
Senior Stenographer	0	01	01
Junior Stenographer	01	01	0
Accountant	01	01	0
Assistant Accountant	01	01	01
Data Entry Operator/Computer Assistant	0	02	02
Post Assistant	0	01	01
Assistant-cum-Typist / ATT	01	02	01
WCA	0	01	01
Electrician	0	01	01
Driver/Keeper	0	01	01
Driver	01	01	0
CCC/Edgew. Mkt./Pest	04	04	0
Steward	00	04	04

Existing Divisions			
Post	Sanctioned positions	Minimum requirements	Gap
Division of Statistics and Computer Science*			
It. Stenographer	01	01	0
Data Entry operator/ Computer Assistant	0	02	02
Accounts Assistant	0	01	01
Field-cum-Lab Assistant (FCLA)	01	01	0
Lab Assistant	0	01	01
DCC Major Mid. Post	01	02	01
Division of Biochemistry			
It. Stenographer	0	01	01
Data Entry operator/ Computer Assistant	01	01	0
Accounts Assistant	0	01	01
Field-cum-Lab Assistant (FCLA)	01	02	01
Lab Assistant	0	01	01
DCC Major Mid. Post	01	02	01
Division of Plant Physiology			
It. Stenographer	01	01	0
Data Entry operator/ Computer Assistant	0	01	01
Accounts Assistant	0	01	01
Field-cum-Lab Assistant (FCLA)	01	02	01
Lab Assistant	0	01	01
DCC Major Mid. Post	01	02	01
Division of Microbiology			
It. Stenographer	0	01	01
Data Entry operator/ Computer Assistant	0	01	01
Accounts Assistant	0	01	01
Field-cum-Lab Assistant (FCLA)	0	02	02
Lab Assistant	0	01	01
DCC Major Mid. Post	0	02	02
Newly proposed Divisions			

Post	Sanctioned position	Minimum requirement	Grp
Division of Languages (Dugi) (Arabic, Hindi, English, Urdu and Persian)			
It. Photographer	0	01	01
Data Entry operator/ Computer Assistant	0	01	01
Accounts Assistant	0	01	01
ACT	0	01	01
DCC Major Mkt. Post	0	02	02
Division of Technological Sciences			
It. Photographer	0	01	01
Data Entry operator/ Computer Assistant	0	01	01
Accounts Assistant	0	01	01
Field- cum- Lab Assistant (FCLA)	0	02	02
Lab Assistant	0	01	01
DCC Major Mkt. Post	0	02	02
Division of Mathematics			
It. Photographer	0	01	01
Data Entry operator/ Computer Assistant	0	01	01
Accounts Assistant	0	01	01
Lab Assistant	0	02	02
Lab Assistant	0	01	01
DCC Major Mkt. Post	0	02	02
Division of Chemistry			
It. Photographer	0	01	01
Data Entry operator/ Computer Assistant	0	01	01
Accounts Assistant	0	01	01
Lab Assistant	0	02	02
Lab Assistant	0	01	01
DCC Major Mkt. Post	0	02	02
Division of Computer Science			
It. Photographer	0	01	01
Data Entry operator/ Computer Assistant	0	01	01
Accounts Assistant	0	01	01
Lab Assistant	0	02	02
Lab Assistant	0	01	01
DCC Major Mkt. Post	0	02	02
Division of Social Sciences			
It. Photographer	0	01	01

Data Entry operator Computer Assistant	0	01	01
Account Assistant	0	01	01
ACT	0	01	01
OCC Helper Mid/Pow	0	02	02
General Instrumentation Lab			
Instrumentation Junior Engineer	0	01	01
Instrumentation Technician Lab Technician	0	02	02
Lab Assistant	0	01	01
Faculty Library			
Asst. Librarian	0	01	01
Library Assistant	0	01	01
OCC Helper Mid/Pow	0	01	01

Summary of non-teaching positions

S. No.	Post	Proposed positions	Existing positions	GAP
1	Administrative Office Asst. Register	01	00	01
2	Accounts Officer Asst. Computer	01	00	01
3	Asst. Librarian	01	00	01
4	Senior Stenographer PA to Dean	01	00	01
5	Head Assistant	01	00	01
6	Accountant	01	01	00
7	St. Stenographer	11	05	06
8	Data Entry operator Computer Assistant	11	00	11
9	Instrumentation Junior Engineer	01	00	01
10	Instrumentation Technician Lab Technician	02	00	02
11	Library Assistant	01	00	01
12	Accounts Assistant	11	02	11
13	Full-time Lab Assistant (FCLA)	10	05	07
14	Lab Assistant	04	00	04
15	Lab Attendant	10	00	10
16	Electrician	01	00	01
17	Store Keeper	01	00	01
18	Assistant - cum Typist	02	01	04
19	Driver	01	01	00
20	OCC Helper Mid/Pow	27	00	15
21	Yogaist	00	0	00
	Total	113	19	92

