

**Course Curriculum of First Semester as per the  
ICAR-Sixth Deans' Committee Report for Academic Programmes in AGRICULTURE**

**Course Layout**

**B.Sc. (Hons.) Agriculture**

Semester: I (New)

w.e.f. Academic Year: 2024-25

| Sr. No.                                                                                                                                                       | Course No.              | Course Title                                                                       | Credit Hrs.                      | Remark             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|------------------------------------------------------------------------------------|----------------------------------|--------------------|
| 1.                                                                                                                                                            | CAC-111                 | <i>Deeksharambh</i><br>(Induction-cum-Foundation Course)                           | 2(0+2)                           | NG<br>(2 Weeks)    |
| 2.                                                                                                                                                            | AEC-111                 | National Service Scheme (NSS-I) /<br>National Cadet Corps (NCC-I)                  | 1(0+1)                           |                    |
| 3.                                                                                                                                                            | AEC-112                 | Communication Skills                                                               | 2(1+1)                           |                    |
| 4.                                                                                                                                                            | MDC-111                 | Farming-based Livelihood Systems                                                   | 3(2+1)                           |                    |
| 5.                                                                                                                                                            | MATH-111*/<br>BIO-111** | Introductory Mathematics*/<br>Basic Biology**                                      | 1(1+0)                           | NG &<br>Need-based |
| 6.                                                                                                                                                            | EXTN-111                | Rural Sociology and Educational<br>Psychology                                      | 2(2+0)                           |                    |
| 7.                                                                                                                                                            | AGRO-111                | Fundamentals of Agronomy                                                           | 3(2+1)                           |                    |
| 8.                                                                                                                                                            | SOIL-111                | Fundamentals of Soil Science                                                       | 3(2+1)                           |                    |
| 9.                                                                                                                                                            | HORT-111                | Fundamentals of Horticulture                                                       | 3(2+1)                           |                    |
| 10.                                                                                                                                                           | SEC-111                 | Skill Enhancement Course-I<br>(*To be offered from the bouquet of<br>SEC Courses)  | 2(0+2)                           |                    |
| 11.                                                                                                                                                           | SEC-112                 | Skill Enhancement Course-II<br>(*To be offered from the bouquet of<br>SEC Courses) | 2(0+2)                           |                    |
| <b>Total Credits Hrs.</b>                                                                                                                                     |                         |                                                                                    | <b>21(11+10) G<br/>3(1+2) NG</b> |                    |
| CAC: Common Academic Course, AEC: Ability Enhancement Course,<br>MDC: Multidisciplinary Course, SEC: Skill Enhancement Course,<br>G: Gradual, NG: Non-Gradual |                         |                                                                                    |                                  |                    |
| <b>Note:</b> *MATH-111 for PCB student/ **BIO-111 for PCM student/ PCMB student is NOT<br>required to take any of these Need-based/Deficiency Courses.        |                         |                                                                                    |                                  |                    |

**Course Curriculum of Second Semester as per the  
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AGRICULTURE**

**Course Layout**

**B.Sc. (Hons.) Agriculture**

Semester: II (New)

*w.e.f.* Academic Year: 2024-25

| Sr. No.                                                                                                                                | Course No. | Course Title                                                                              | Credit Hrs.      | Remark (if any) |
|----------------------------------------------------------------------------------------------------------------------------------------|------------|-------------------------------------------------------------------------------------------|------------------|-----------------|
| 1.                                                                                                                                     | AEC-123    | National Service Scheme (NSS-II)/<br>National Cadet Corps (NCC-II)                        | 1(0+1)           | --              |
| 2.                                                                                                                                     | AEC-124    | Personality Development                                                                   | 2(1+1)           | --              |
| 3.                                                                                                                                     | VAC-121    | Environmental Studies and Disaster<br>Management                                          | 3(2+1)           | --              |
| 4.                                                                                                                                     | SOIL-122   | Soil Fertility Management                                                                 | 3(2+1)           | --              |
| 5.                                                                                                                                     | ENTO-121   | Fundamentals of Entomology                                                                | 3(2+1)           | --              |
| 6.                                                                                                                                     | PATH-121   | Fundamentals of Plant Pathology                                                           | 3(2+1)           | --              |
| 7.                                                                                                                                     | AHDS-121   | Livestock Production and Management                                                       | 2(1+1)           | --              |
| 8.                                                                                                                                     | SEC-123    | Skill Enhancement Course-III <sup>#</sup><br>(To be offered from the list of SEC Courses) | 2(0+2)           | --              |
| 9.                                                                                                                                     | SEC-124    | Skill Enhancement Course-IV <sup>#</sup><br>(To be offered from the list of SEC Courses)  | 2(0+2)           | --              |
| <b>Total Credits Hrs.</b>                                                                                                              |            |                                                                                           | <b>21(10+11)</b> | <b>G</b>        |
| AEC: Ability Enhancement Course, MDC: Multidisciplinary Course,<br>SEC: Skill Enhancement Course, VAC: Value Added Course, G: Gradiual |            |                                                                                           |                  |                 |
| <b>Post-II Semester (Only for Exit option for award of UG-Certificate)</b>                                                             |            |                                                                                           |                  |                 |
| 10.                                                                                                                                    | INT-121    | Internship (10 Weeks)                                                                     | 10(0+10)         | --              |

**Course Curriculum of Third Semester as per the  
ICAR-Sixth Deans' Committee Report for Academic Programme in  
AGRICULTURE**

**Course Layout**

**B.Sc. (Hons.) Agriculture**

Semester: III (New)

w.e.f. Academic Year: 2025-26

| Sr. No.                                                                                                                                                                                                                                     | Course No.     | Course Title                                                                            | Credit Hrs.         | Remark   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------------------------------------------------------------------------------------|---------------------|----------|
| 1.                                                                                                                                                                                                                                          | AEC-235        | Physical Education, First Aid, Yoga Practices and Meditation                            | 2(0+2)              | --       |
| 2.                                                                                                                                                                                                                                          | GPB-231        | Principles of Genetics                                                                  | 3(2+1)              | --       |
| 3.                                                                                                                                                                                                                                          | AGRO-232       | Crop Production Technology-I ( <i>Kharif</i> Crops)                                     | 3(1+2)              | --       |
| 4.                                                                                                                                                                                                                                          | AGRO-233       | Principles and Practices of Natural Farming                                             | 2(1+1)              | --       |
| 5.                                                                                                                                                                                                                                          | HORT-232       | Production Technology of Fruit and Plantation Crops                                     | 2(1+1)              | --       |
| 6.                                                                                                                                                                                                                                          | AE-231         | Farm Machinery and Power                                                                | 2(1+1)              | --       |
| 7.                                                                                                                                                                                                                                          | NEMA-231       | Fundamentals of Nematology                                                              | 2(1+1)              | --       |
| 8.                                                                                                                                                                                                                                          | ECON-231       | Principles of Agricultural Economics and Farm Management                                | 2(2+0)              | --       |
| 9.                                                                                                                                                                                                                                          | AHDS-232       | Technology of Milk and Milk Products                                                    | 2(1+1)              | --       |
| 10.                                                                                                                                                                                                                                         | SEC-235        | Skill Enhancement Course-V <sup>#</sup><br>(To be offered from the list of SEC Courses) | 2(0+2)              | --       |
| 11.                                                                                                                                                                                                                                         | OC-1/ OC-2/... | Online Course(s)/ MOOCs <sup>†</sup>                                                    | As opted by student | NG       |
| <b>Total Credits Hrs.=</b>                                                                                                                                                                                                                  |                |                                                                                         | <b>22(10+12)</b>    | <b>G</b> |
| AEC: Ability Enhancement Course, SEC: Skill Enhancement Course, OC: Online Course,<br>G: Gradual, NG: Non-gradual                                                                                                                           |                |                                                                                         |                     |          |
| <sup>†</sup> <b>Note:</b> It is mandatory for each Student to complete <b>total 10 credits</b> (Non-gradual) of <b>Online Courses</b> from available resources across III to VIII semesters under the guidance of assigned Faculty/Advisor. |                |                                                                                         |                     |          |

**Course Curriculum of Fourth Semester as per the  
ICAR-Sixth Deans' Committee Report for Academic Programme in  
AGRICULTURE**

**Course Layout**

**B.Sc. (Hons.) Agriculture**

Semester: IV (New)

w.e.f. Academic Year: 2025-26

| Sr. No.                                                                                                                                                                                                                                     | Course No.     | Course Title                                                                              | Credit Hrs.         | Remark   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-------------------------------------------------------------------------------------------|---------------------|----------|
| 1.                                                                                                                                                                                                                                          | MDC-242        | Entrepreneurship Development and Business Management                                      | 3(2+1)              | --       |
| 2.                                                                                                                                                                                                                                          | VAC-242        | Agricultural Informatics and Artificial Intelligence                                      | 3(2+1)              | --       |
| 3.                                                                                                                                                                                                                                          | AGRO-244       | Crop Production Technology-II ( <i>Rabi</i> Crops)                                        | 3(1+2)              | --       |
| 4.                                                                                                                                                                                                                                          | AGRO-245       | Water Management                                                                          | 2(1+1)              | --       |
| 5.                                                                                                                                                                                                                                          | GPB-242        | Basics of Plant Breeding                                                                  | 3(2+1)              | --       |
| 6.                                                                                                                                                                                                                                          | HORT-243       | Production Technology of Vegetables and Spices                                            | 2(1+1)              | --       |
| 7.                                                                                                                                                                                                                                          | SOIL-243       | Problematic Soils and their Management                                                    | 2(1+1)              | --       |
| 8.                                                                                                                                                                                                                                          | EXTN-242       | Fundamentals of Extension Education                                                       | 2(1+1)              | --       |
| 9.                                                                                                                                                                                                                                          | SEC-246        | Skill Enhancement Course -VI <sup>#</sup><br>(To be offered from the list of SEC Courses) | 2(0+2)              | --       |
| 10.                                                                                                                                                                                                                                         | OC-1/ OC-2/... | Online Course(s)/ MOOCs <sup>†</sup>                                                      | As opted by student | NG       |
| <b>Total Credit Hrs.=</b>                                                                                                                                                                                                                   |                |                                                                                           | <b>22(11+11)</b>    | <b>G</b> |
| MDC: Multidisciplinary Course, VAC: Value-added Course, SEC: Skill Enhancement Course,<br>OC: Online Course, G: Gradual, NG: Non-gradual                                                                                                    |                |                                                                                           |                     |          |
| <b>Post-IV Semester (Only for Exit option for award of UG-Diploma)</b>                                                                                                                                                                      |                |                                                                                           |                     |          |
| 11.                                                                                                                                                                                                                                         | INT-242        | Internship (10-week)                                                                      | 10(0+10)            | NG       |
| <sup>†</sup> <b>Note:</b> It is mandatory for each Student to complete <b>total 10 credits</b> (Non-gradual) of <b>Online Courses</b> from available resources across III to VIII semesters under the guidance of assigned Faculty/Advisor. |                |                                                                                           |                     |          |

**Course Curriculum of Fifth Semester as per the  
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AGRICULTURE**

**Course Layout**

**B.Sc. (Hons.) Agriculture**

**Semester: V (New)**

**w.e.f. Academic Year: 2026-27**

| Sr. No.                                                                                                                                                                                                                                     | Course No.            | Course Title                                                 | Credit Hrs.         | Remark   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------------------------------------------------|---------------------|----------|
| 1.                                                                                                                                                                                                                                          | <b>MDC-353</b>        | Agricultural Marketing and Trade                             | 3(2+1)              | --       |
| 2.                                                                                                                                                                                                                                          | <b>AGRO-356</b>       | Introductory Agroforestry                                    | 2(1+1)              | --       |
| 3.                                                                                                                                                                                                                                          | <b>AGRO-357</b>       | Weed Management                                              | 2(1+1)              | --       |
| 4.                                                                                                                                                                                                                                          | <b>GPB-353</b>        | Crop Improvement ( <i>Kharif</i> Crops) - I                  | 2(1+1)              | --       |
| 5.                                                                                                                                                                                                                                          | <b>PP-351</b>         | Fundamentals of Crop Physiology                              | 3(2+1)              | --       |
| 6.                                                                                                                                                                                                                                          | <b>AMT-351</b>        | Introduction to Agrometeorology                              | 2(1+1)              | --       |
| 7.                                                                                                                                                                                                                                          | <b>HORT-354</b>       | Ornamental Crops, MAPs and Landscaping                       | 2(1+1)              | --       |
| 8.                                                                                                                                                                                                                                          | <b>PATH-352</b>       | Diseases of Field & Horticultural Crops and their Management | 3(2+1)              | --       |
| 9.                                                                                                                                                                                                                                          | <b>ENTO-352</b>       | Pest Management in Crops and Stored Grains                   | 3(2+1)              | --       |
| 10.                                                                                                                                                                                                                                         | <b>AHDS-353</b>       | Livestock Breeding and Nutrition                             | 2(1+1)              | --       |
| 11.                                                                                                                                                                                                                                         | <b>OC-1/ OC-2/...</b> | Online Course(s)/ MOOC(s)                                    | As opted by Student | NG       |
| 12.                                                                                                                                                                                                                                         | <b>EDT-351</b>        | Educational Tour (10-14 Days)                                | 2(0+2)              | NG       |
| <b>Total Credit Hrs. =</b>                                                                                                                                                                                                                  |                       |                                                              | <b>24 (14+10)</b>   | <b>G</b> |
| <b>MDC: Multidisciplinary Course, OC: Online Course, G: Gradiual, NG: Non-gradial</b>                                                                                                                                                       |                       |                                                              |                     |          |
| <sup>†</sup> <b>Note:</b> It is mandatory for each Student to complete <b>total 10 credits</b> (Non-gradial) of <b>Online Courses</b> from available resources across III to VIII semesters under the guidance of assigned Faculty/Advisor. |                       |                                                              |                     |          |