

Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal

New Scheme of Examination as per AICTE Flexible Curricula

Bachelor of Technology (B.Tech.) Agricultural Engineering (w.e.f. July, 2023)

V Semester

| S.No. | Subject Code | Category | Subject Name | Maximum Marks Allotted | | | | | Total Marks | Contact Hours per week | | | Total Credits |
|-------|---------------------------------|----------|--|---|----------------|------------------|-----------|-----------------------------------|-------------|------------------------|---|----|---------------|
| | | | | Theory | | | Practical | | | L | T | P | |
| | | | | End Sem. | Mid Sem. Exam. | Quiz/ Assignment | End Sem | Term work Lab Work & Sessional | | | | | |
| 1. | AN501 | DC | Unit Operation in Post Harvest Management | 70 | 20 | 10 | 30 | 20 | 150 | 3 | - | 2 | 4 |
| 2. | AN502 | DC | Farm Machinery & Equipment-II | 70 | 20 | 10 | 30 | 20 | 150 | 2 | 1 | 2 | 4 |
| 3. | AN503 | DE | Departmental Elective | 70 | 20 | 10 | - | - | 100 | 4 | - | - | 4 |
| 4. | AN504 | OE | Open Elective | 70 | 20 | 10 | - | - | 100 | 3 | - | - | 3 |
| 5. | AN505 | D Lab | Tractor and Farm Machinery operations-I | - | - | - | 30 | 20 | 50 | - | - | 4 | 2 |
| 6. | AN506 | O/E Lab | Measurement Systems Lab | - | - | - | 30 | 20 | 50 | - | - | 4 | 2 |
| 7. | BT407 | IN | Evaluation of Internship to be completed during Third/Fourth Semester | - | - | - | - | 100 | 100 | - | - | 6 | 3 |
| 8. | | IN | Internship -III | To be completed anytime during Fifth/Sixth semester. Its evaluation/credit to be added in Seventh Semester. | | | | | | | | | |
| 9. | AN508 | P | Minor Project I | - | - | - | - | 50 | 50 | - | - | 4 | 2 |
| 10. | Additional Credits [#] | | [#] Additional credits can be earned through successful completion of credit based MOOC's Courses available on SWAYAM platform (MHRD) at respective UG level. | | | | | | | | | | |
| | | | Total | 280 | 80 | 40 | 120 | 230 | 750 | 12 | 1 | 22 | 24 |

| Departmental Electives | Open Electives |
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| AN503 (A) Strength of Materials | AN504 (A) Modeling and Simulation |
| AN503 (B) Renewable Energy Sources | AN504 (B) Sprinkler and Micro Irrigation System |
| AN503 (C) Engineering Properties of Soil & Agriculture Materials | AN504 (C) Machine Design |
| AN503 (D) Fluid Mechanics | AN504 (D) IC Engines |

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|--------------|---------------|----------------|
| 1 Hr Lecture | 1 Hr Tutorial | 2 Hr Practical |
| 1 Credit | 1 Credit | 1 Credit |