

Maharashtra Institute of Technology, Aurangabad

(An Autonomous Institute)

END SEMESTER EXAMINATION

Second Year B.Tech (Agricultural Engineering) – Feb/Mar-2023

Course Code : AED202

Course Name : Unit Operation in Agriculture Processing

Duration : 2 Hrs

Max. Marks : 50

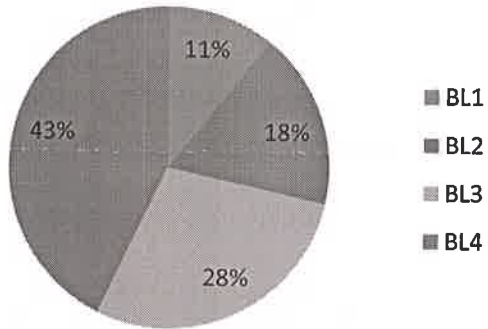
Date :

Mark Evaluation

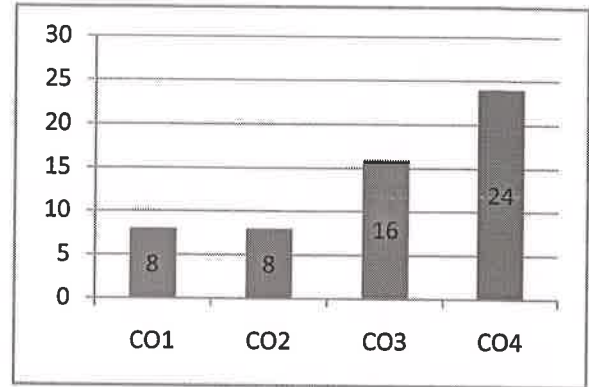
| Q. 1 | Answer any five(Marks:10) | Marks | CO | BL | PI |
|------|--|-------|----|----|----|
| a) | Definition Drying- 1 mark Definition Dehydration-1 mark | 2 | 1 | 1 | |
| b) | Definition Sedimentation - 1 mark Definition Filtration- 1 mark | 2 | 1 | 1 | |
| c) | Definition Moisture Content – 1 mark Explain two point- 1 mark | 2 | 1 | 1 | |
| d) | Enlist Thermal Properties of Product- 2 mark | 2 | 2 | 2 | |
| e) | Definition Thermal Conductivity-1 mark Definition Thermal Diffusion- 1 mark | 2 | 1 | 2 | |
| f) | Explanation of Static method five point – 2 marks | 2 | 2 | 2 | |
| g) | Explanation of dynamic method five point – 2 marks | 2 | 2 | 2 | |
| h) | Definition Impact- 1 marks Definition compressive force-1 mark | 2 | 2 | 2 | |
| Q.2 | Definition edge runner mill-1 mark Principle -2 mark Explanation edge runner mill- 2 marks Detail with schematic diagram- 3marks | 8 | 3 | 4 | |
| Q.3 | Explanation working of baffle dryer – 2 marks Principle of baffle dryer-2 marks schematic diagram in detail-4 marks | 8 | 4 | 4 | |
| Q.4 | Principle – 2 marks Mechanism of size reduction -6 marks (1for each force) | 8 | 3 | 3 | |
| Q.5 | Principle – 2 marks Mechanism of plate frame filtration- 3 marks schematic diagram-3 marks OR (optional) Principle – 2 marks Mechanism of Tumbling mill or ball mill- 3 marks schematic diagram-3 marks | 8 | 4 | 4 | |
| Q.6 | Types physical properties- 1 marks Explanation on each property -7 marks OR (optional) Principle – 2 marks Mechanism of Gyrotory screening - 3 marks schematic diagram-3 marks | 8 | 4 | 3 | |

Note:- All course outcomes shall be addressed.

**Blooms Level Wise
Marks Distribution**



**Course Outcome Wise
Marks Distribution**



Paper Setter Signature