

MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE
SEMESTER END THEORY EXAMINATION

B.Tech. (Food Technology)

[ICAR-Sixth Deans' Committee Recommended Syllabus]

Semester	: II (New)	Term	: Second	Academic Year	: 2024-25
Course No.	: FE-123	Title	: Engineering Drawing and Graphics		
Credits	: 3(1+2)	Time	: 10:00 to 12:00 hrs. Total Marks : 40		
Day & Date	: Thursday, 26.06.2025				

- Note :
1. Solve ANY EIGHT questions from SECTION 'A'.
 2. All questions from SECTION 'B' are compulsory.
 3. All questions carry equal marks.
 4. Draw neat diagram wherever necessary.

SECTION 'A'

- Q.1 Explain orthographic projection using first angle projection method.
- Q.2 Write a short note on revolved section with sketch.
- Q.3 What are the computer hardware systems for CAD? Explain in short.
- Q.4 Explain right hand and left hand thread with neat sketch.
- Q.5 Which are different methods of dimensioning? Explain in short with figures.
- Q.6 Differentiate between Oblique projection and Isometric projection.
- Q.7 Enlist foundational bolts and explain any one type in detail.
- Q.8 What are the good graphic capabilities of computer to help the designer?
- Q.9 Explain the process for making the riveted joint leak proof with figures.
- Q.10 Write down the steps involved in preparation of working drawing from models and isometric view.

SECTION 'B'

- Q.11 Match the pairs:
- | 'A' | 'B' |
|-------------------|--|
| 1) Pitch of screw | a) Distance between the crest and the root |
| 2) Set screw | b) Cylindrical shank threaded at both ends |
| 3) Studs | c) Distance between points on two adjacent threads |
| 4) Depth of screw | d) Prevent relative movement between two pieces |
- Q.12 Fill in the blanks:
- 1) The lines from the object to the plane, are called _____.
 - 2) _____ is a technique for making permanent joint.
 - 3) The two planes employed for the purpose of orthographic projections, are called _____ of projection.
 - 4) The surface produced by cutting an object by the section plane, is called as a _____.