



KERALA AGRICULTURAL UNIVERSITY
B. Tech.(Food Technology) 2025 & Previous Admission
II Semester Final Examination – July 2026

FPE 1204

Engineering Drawing and Graphics (1+2)

Marks: 50
Time: 2 hours

(10x1=10)

I Choose the correct answer

1. Dimensioning doesn't represent _____.
 - a) height
 - b) length
 - c) depth
 - d) material
2. Oblique planes come under _____.
 - a) planes perpendicular to both reference planes
 - b) planes perpendicular to one reference plane and inclined to other reference plane
 - c) planes inclined to both the reference planes
 - d) planes parallel to one reference plane and perpendicular to other reference plane
3. The planes which are perpendicular to both the reference plane (horizontal and vertical) are visible clearly only if we watched from _____.
 - a) Front view
 - b) Top view
 - c) Side view
 - d) Isometric view
4. A plane is held parallel to horizontal plane in which view we can watch drawing on that plane?
 - a) Top view
 - b) Front view
 - c) Back view
 - d) Side view
5. Which is the wrong statement regarding dimensions?
 - a) Every dimension must be given, but none should be given more than once
 - b) Every dimension should be written to the left side of the drawing
 - c) Dimensions should be placed outside the views
 - d) A centre line should not be used as a dimension line
6. The angle between the isometric axes is _____.
 - a) 180 degrees
 - b) 60 degrees
 - c) 90 degrees
 - d) 120 degrees
7. The lines parallel to isometric axes are called _____ lines.
 - a) parallel
 - b) auxiliary
 - c) isometric
 - d) oblique
8. The commands Erase, Copy, Mirror, Trim, Extend, Break etc belongs to which tool bar?
 - a) Layer tool bar
 - b) Style tool bar
 - c) Modify tool bar
 - d) Draw tool bar

9. The command which works on two lines or a single poly line to create a beveled edge is _____.
- Chamfer
 - Fillet
 - Stretch
 - Extend
10. The thread angle of B.S.F/B.S.W screw threads are _____.
- 45°
 - 60°
 - 55°
 - 30°

II Write short notes on ANY FIVE of the following

(5x2=10)

1. Define Projection.
2. Classify the different systems of projection.
3. What are the Elements of Dimensioning?
4. Define First angle orthographic projection.
5. Define Riveted joint.
6. Define Multi start threads.
7. Define CAD.

III Answer ANY FIVE of the following

(5x4=20)

1. Differentiate between First angle and Third angle orthographic projections.
2. Describe the method of drawing orthographic projections of a point.
3. Explain about different thread profiles with a neat sketches.
4. Draw different views of a square headed bolt for a diameter of 20mm.
5. Explain about the procedure for preparation of working drawing from models.
6. Explain about application of computers for design.
7. Explain the advantages and disadvantages of welded joints.

IV Write an essay on ANY ONE of the following

(1x10=10)

1. Explain the procedure for drawing of missing views with an example.
2. Explain about the computer hardware required for a CAD system.
