

K. J. Somaiya College of Engineering, Mumbai-77

(Autonomous College Affiliated to University of Mumbai)

End Semester Exam

May - June 2019

Max. Marks: 100

Class: F. Y. B. Tech

Name of the Course: Engineering Drawing

Course Code: 2UHC105

Duration: 3 Hrs.

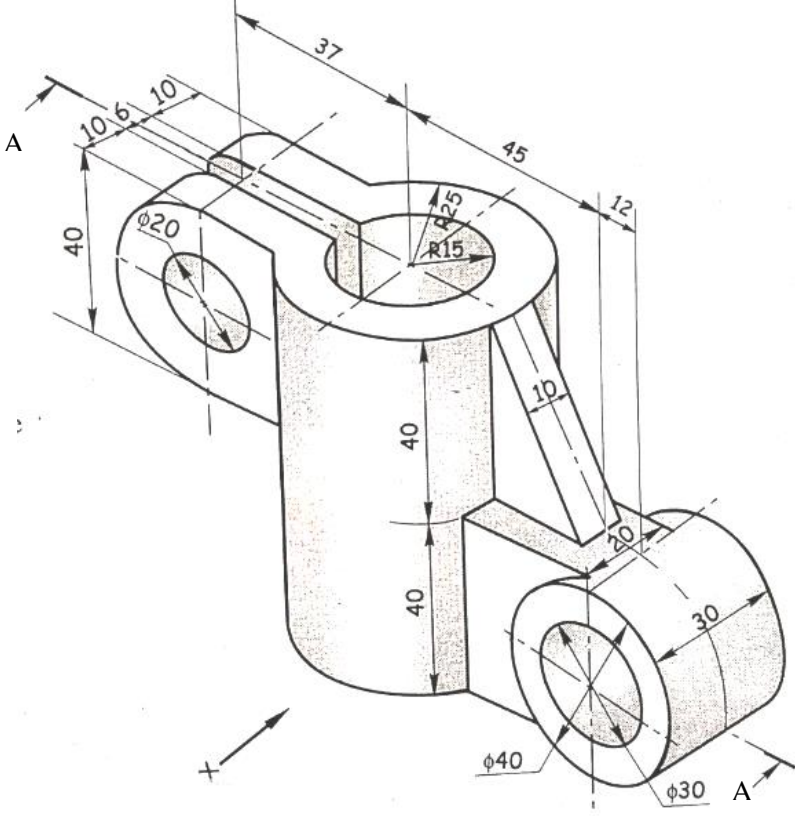
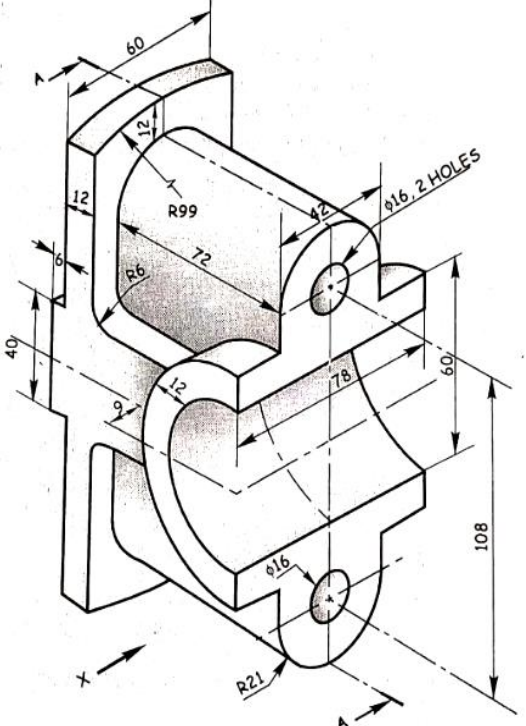
Semester: II

Branch: ETRX/EXTC/MECH

Instructions:

- All Questions are Compulsory.
- Figures to the right indicate full marks.
- Illustrate your answers using figures, sketches, diagrams etc.
- Assume suitable dimensions if necessary and state it clearly.
- **Avoid using colours and layers in your drawings to avoid problems during printing.**
- Line type, line thickness, text size, text font, content of title block, proper dimensions etc. at appropriate place carries weightage during assessment.
- Arrange your drawings properly and on minimum number of pages.
- All the students are requested to save the drawings regularly. In case of any hardware or software problems, no any extra time will be allotted to you for unsaved work.
- Any kind of electronic gadgets capable of memory storage such as pen drive, mobile etc. are not permitted.

Q. No.		Max Marks
1.	a) The end A of a straight line AB is in the second quadrant and is 40 mm and 15 mm from both HP and VP respectively. The end B is in the third quadrant. The line is inclined at 40° to both the HP and VP. Draw the projections when end B is in the third quadrant and 45 mm from HP. Find its true length and distance of end B from VP.	12
	b) A front view of line AB measures 50 mm and makes an angle 45° with XY line. The point A 10 mm above the HP and 20 mm in front of the VP. Draw the projections of line AB if it is inclined with the VP at 45° . The line is in the first quadrant.	08
	<u>OR</u>	
	A square lamina ABCD of side 50 mm is resting on the corner A in the HP such that plane is seen as a rhombus in the top view with diagonal contained by corner A measuring 25 mm. Draw the projection and determine the surface inclination of the plane with HP.	08

2.	<p>Figure shows pictorial view of an Object. (Use First angle Projection method)</p> <p>Draw :</p> <ol style="list-style-type: none"> Sectional Front View along A-A Top View Right Hand Side View. <p>Note- Show approx. 10 to 12 important dimension in 3 views.</p> 	08 06 06
3 (a)	<p>Figure shows pictorial view of an Object. (Use First angle Projection method)</p> <p>Draw :</p> <ol style="list-style-type: none"> Front view looking from direction -X Side View; <p>Note- Show approx. 6 to 8 important dimension in 2 views.</p> 	10

