

PAPER - III

FITTER / MACHINIST / MACHINIST GRINDER / MECHANIC AGRICULTURE MACHINERY /
MECHANIC MACHINE TOOL MAINTENANCE / MECHANIC MOTOR VEHICLE / MECHANIC
REFRIGERATION AND AIR-CONDITIONING / OPERATOR ADVANCE MACHINE TOOLS /
TOOL & DIE MAKER (DIES & MOULDS) / TOOL & DIE MAKER (PRESS TOOLS, JIGS &
FIXTURES) / TURNER / REFRACTORY TECHNICIAN
(ENGINEERING DRAWING)

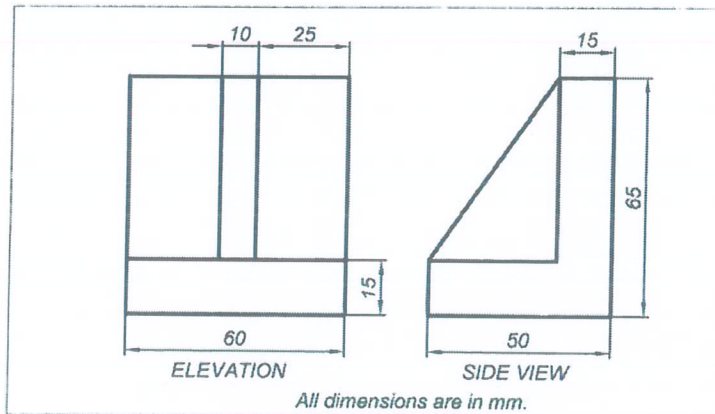
SEMESTER - IV

TIME: 4 Hrs.

MARKS : 75

Note: Attempt all question.

1. Draw FREE hand sketches of any THREE of the following - (3x15=45)
 - a) Assembly of simple bench vice.
 - b) Sketch a sectional view of taper roller bearing and indicate the various parts of it & show its conventional representation
 - c) Spur gear and its nomenclature
 - d) Reciprocating compressor open type for RAC
 - e) Simple duct for RAC
2. Elevation and side view of an object shown below in Third Angle Projection. Draw its Top view. (20)



3. Orthographic drawing of a "V" belt pulley shown below. Study the drawing and answer the following questions. (5x2=10)
 - i) What is the outside diameter of the pulley?
 - ii) What is the angle of the V-groove?
 - iii) What is the bore diameter?
 - iv) What is the depth of the V-groove?
 - v) What is the size of tapped hole?

