

S. B. Roll. No.....

MECHANICAL ENGINEERING DRAWING-I
3rd Exam/Mech./9053/Dec'22
(For 2018 Batch Onwards)

Duration: 4Hrs.

M.Marks:75

SECTION-A

Q1. Attempt any five questions.

5x3=15

- Define the term Deviation and GO and NOT GO Limit.
- Give a comparison of first angle projection with third angle projections.
- What are pulley and its principle parts?
- Define the term Clearance and its Types.
- Differentiate between Hole Basis System and Shaft Basis System.
- Define the term Fits and its Types.
- Differentiate between tolerance and allowance.

SECTION-B

Q2. Attempt any three questions.

3x10=30

- Draw the neat sketch to show following.
a) Shaft Tolerance b) Hole Tolerance c) Deviation d) Allowance e) Max. Clearance
- Explain three types of bearing with neat sketch.
- Draw freehand sketch of Stepped Pulley (Front view).
- Draw freehand front and side view full section of flange pipe joint.

SECTION-C

Q3. Attempt any two questions.

2x15=30

- Figure 1** shows detailed of a v-belt pulley. Draw sectional elevation and End view.
- Draw free hand sketch (Front and side view) of a wall bracket.
- Draw a wiring diagram to control one fan, two lamps and one point.

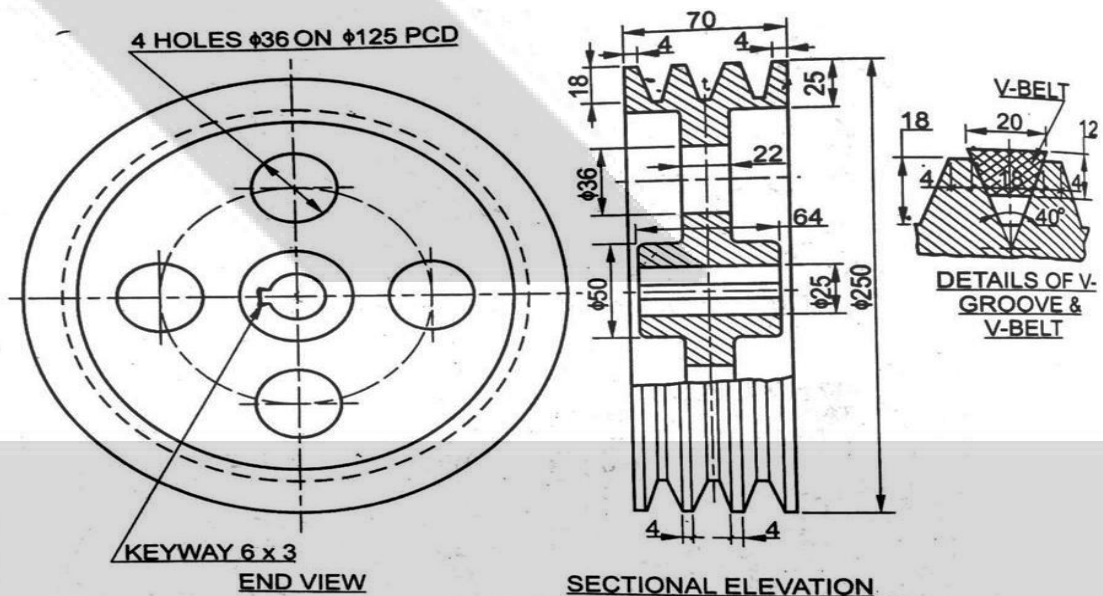


FIGURE-1