

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

MECHANICAL ENGINEERING DRAWING-II
4th Exam/Mech./9453/Jun'2022
(For 2018 Batch Onwards)

Duration: 4 Hrs.

Attempt any three questions.

M.Marks:75

3x25=75

- Q1.** Draw free hand sketch of a Screw Jack (Front & Top view).
Q2. Draw the profile of involute teeth for a spur gear having 24 teeth and module equal to 8 mm. Assume a pressure angle of 20° .
Q3. Draw the profile of a cam with radius as 40 mm and lift of follower as 30 mm. The follower is with SHM during 90° of cam rotation, then remains at rest 90° and return to the starting point during next 180° of cam rotation with uniformly accelerated and retarded motion, follower is knife edged.
Q4. Figure 1 shows the details of a drilling jig. Assemble the details and draw the following views:
a) Full sectional front view b) Top view
Q5. Draw freehand sketch (Front & Top view) of crankshaft and flywheel assembly.

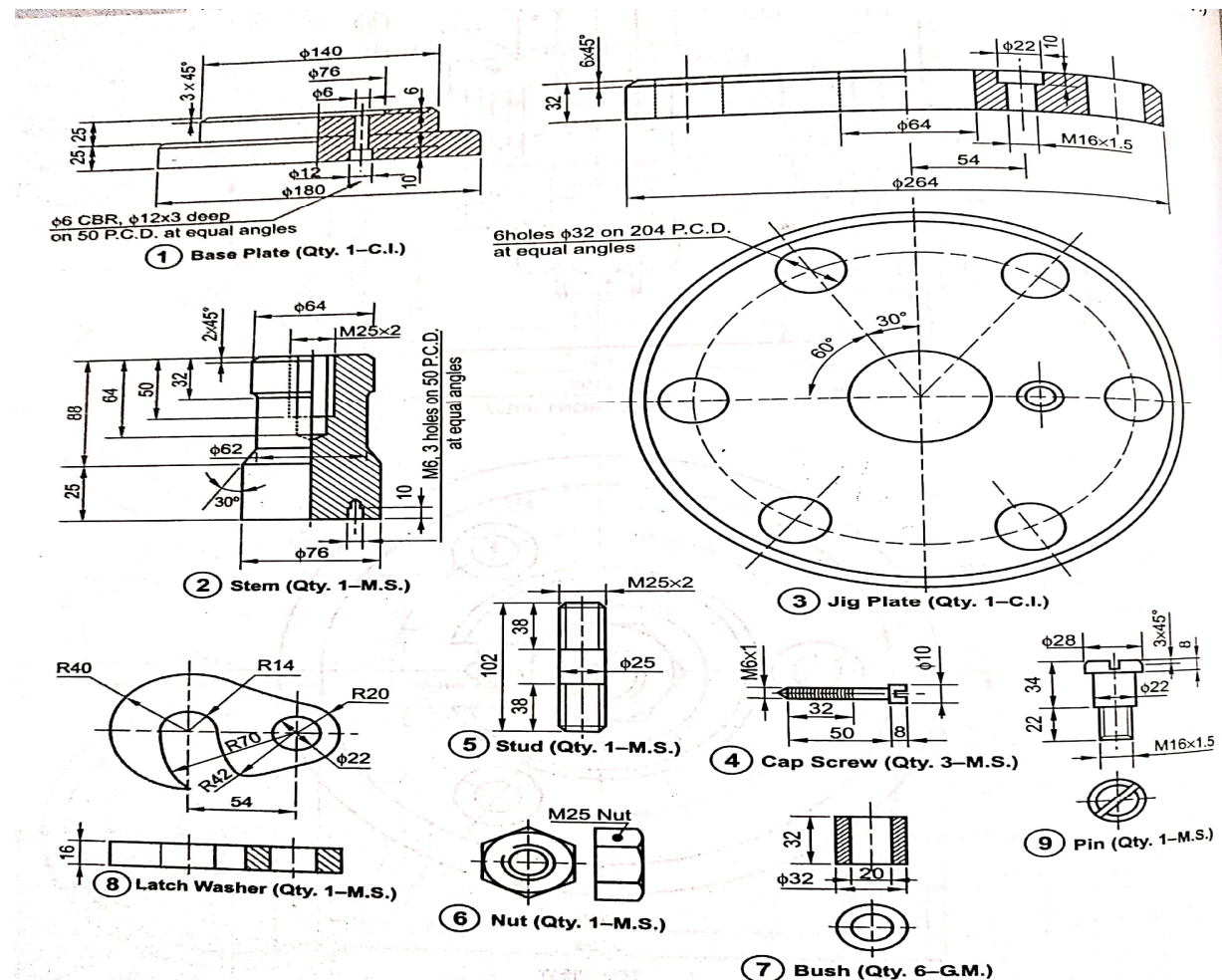


Fig-1