

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

ENGINEERING DRAWING-II
2nd Exam/Common/2953/Jun'2022
(For 2018 Batch Onwards)

Duration: 4Hrs.

M.Marks:100

SECTION-A

Q1. Do as directed.

10x2=20

- a. Name any five types of wooden joints.
- b. What is the purpose of caulking and fullering?
- c. What are permanent fastenings?
- d. What is fusion welding?
- e. Name the different types of welded joints.
- f. Why threads are provided?
- g. What is fastening?
- h. Name any two most common nuts.
- i. What is key?
- j. What is the purpose of coupling?

SECTION-B

Q2. Attempt any five questions.

5x6=30

- i. Write a short note on detail drawing and assembly drawing.
- ii. Draw the top view and sectional view of a single riveted lap joint. Diameter of rivet=24mm.
- iii. Draw the symbols of the following:
 - a) Single-v Butt welded joint
 - b) Edge welded joint
 - c) Fillet weld
- iv. Draw in detail the following types of thread forms:
 - a) Square thread
 - b) knuckle thread
 - c) Acme thread
- v. Write a few points of comparison between a key and a cotter.
- vi. What is the difference between rigid and flexible coupling.
- vii. Sketch any four types of rivet heads taking diameter of rivet as 40 mm.

SECTION-C

Attempt any two questions.

2x25=50

Q3. Draw front view and side view of a hexagonal headed bolt with double chamfered nut, lock nut and washer assembly. Diameter of bolt, D=24mm.

Q4. Fig-1 shows detail drawing of sleeve and cotter joint. Assemble and draw the following views

- a) Front view- upper half in section
- b) Top view-outside

Q5. Fig-2 shows the component drawing of Knuckle Joint. Draw the following views of the assembly.

- i) Front view in section.
 - ii) Top view
- Give important dimensions

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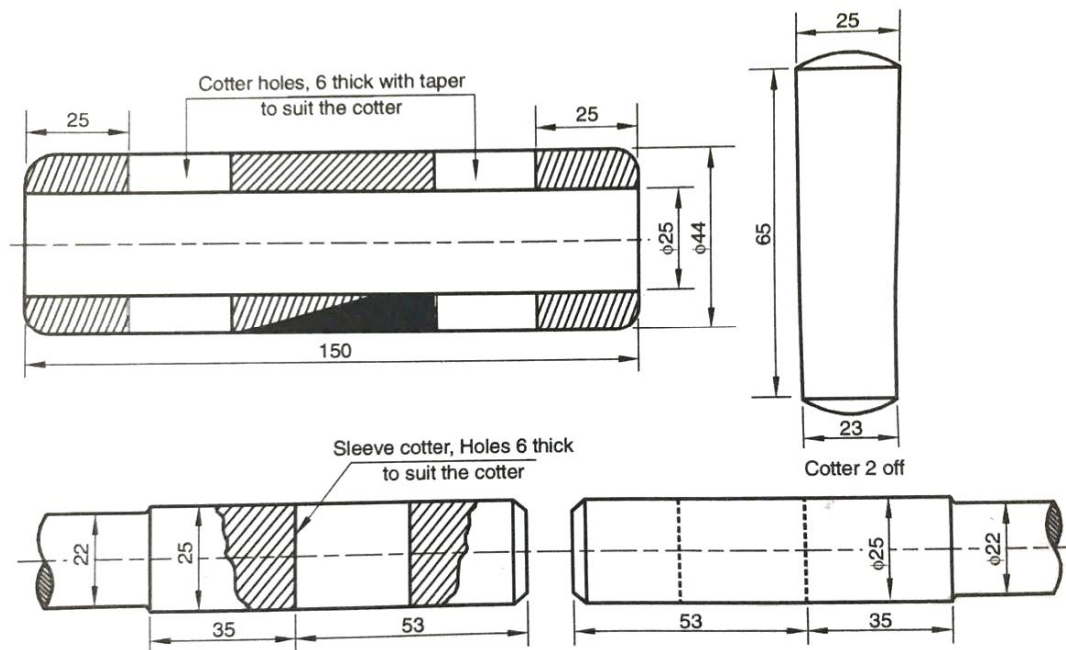


Fig 1.

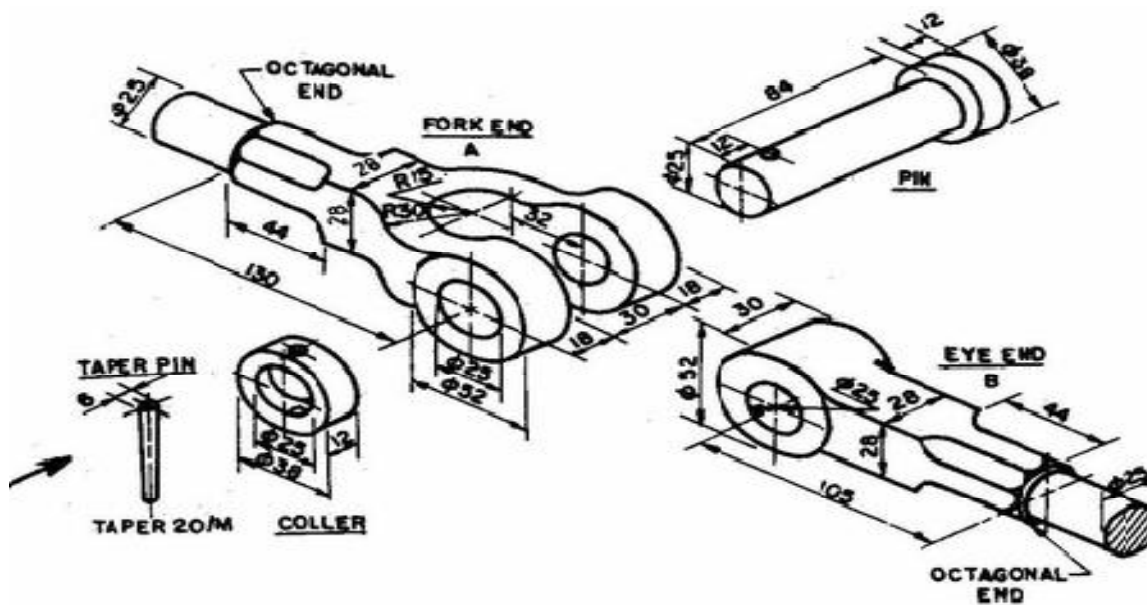


Fig-2