

- 2 (a) Sketch two views of Double riveted (Zigzag) lap joint. 7
 (b) Sketch the followings : 8
 (a) Slotted nut and
 (b) Coupler nut

OR

- (a) Sketch proportionately: "Locking plate". 7
 (b) Draw a neat sketch of 8
 (i) Cross type and
 (ii) Loop type pipe joint.

- 3 (a) Sketch proportionately: "Loop and corrugated fittings". 10

OR

- (a) Sketch proportionately: "Spigot and socket joint". 10
 (b) List and Sketch the Rivet heads. 5

- 4 (a) Answer the following : (any five) 10

- (1) Classify the Pulleys and State the function of Fast and Loose pulley.
- (2) What is the function of connecting rod? What are big and small end of a connecting rod?
- (3) Why a bush is provided in between the shaft and the body of a bearing?
- (4) What is the function of eccentric? What is the difference between an eccentric and a crank?
- (5) What is the function of shaft hanger?
- (6) What is the function of cylinder cover in piston cylinder assembly?

- (b) Draw the Two views of U-type hanger. 10

OR

- (b) Draw two views of a Wall Bracket. 10

- 5 (a) Prepare a sketch of followings : 8
 (i) Crank shaft and
 (ii) Over hunk crank.

OR

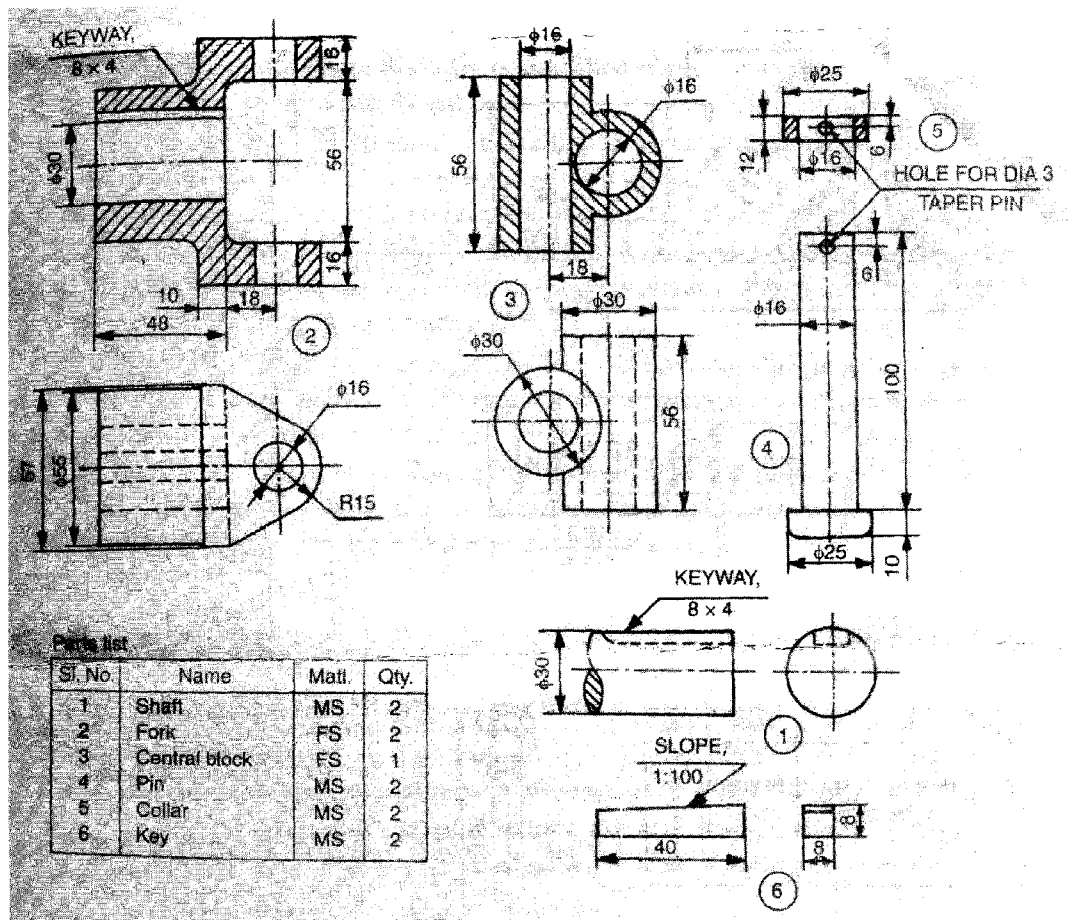
- (a) Prepare a neat sketch of two stroke petrol engine piston in two views. 8

(b) Show by means of sketches, line diagram of I.C. engine. 7

OR

(b) Describe with neat sketch simple eccentric in two views. 7

6 Fig given below shows the various parts of universal coupling. Sketch only the front view showing the assembly drawing with half section in upper side. 15



All Dimensions in mm.

Fig. Detail Views of Universal Coupling.