



C09-M-307

**3251**

**BOARD DIPLOMA EXAMINATION, (C-09)**

**OCT/NOV—2013**

**DME—THIRD SEMESTER EXAMINATION**

**MACHINE DRAWING**

*Time : 3 hours ]*

*[ Total Marks : 60*

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**PART—A**

- Instructions :** (1) Answer **all** questions.  
(2) Each question carries **five** marks.  
(3) Draw the following neatly (not to scale) and show the standard proportions.

**1.** Draw the two views of double riveted double strap chain butt joint. Assume proportions suitably.

**2.** Sketch the following thread profiles to proportions :

(a) ISO metric

(b) BA

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**3.** Draw the symbols of the following welded joints :

- (a) Flat single—V butt weld
- (b) Convex double V—butt weld
- (c) Concave fillet weld
- (d) Fillet weld
- (e) Spot weld

**4.** Draw the following pipe fitting symbols :

- (a) Coupling
- (b) Cap
- (c) Plug
- (d) Tee
- (e) 90° elbow

**PART—B**

- Instructions :** (1) Answer *any one* question.  
 (2) Each question carries **forty** marks.  
 (3) All dimensions are in mm and assume missing dimensions, if any.

- 5.** The details of eccentric are shown in Fig. 1. Assemble the parts and draw the following :
- (a) Half-sectional front view 20
  - (b) Side view 15
  - (c) Dimensioning 5

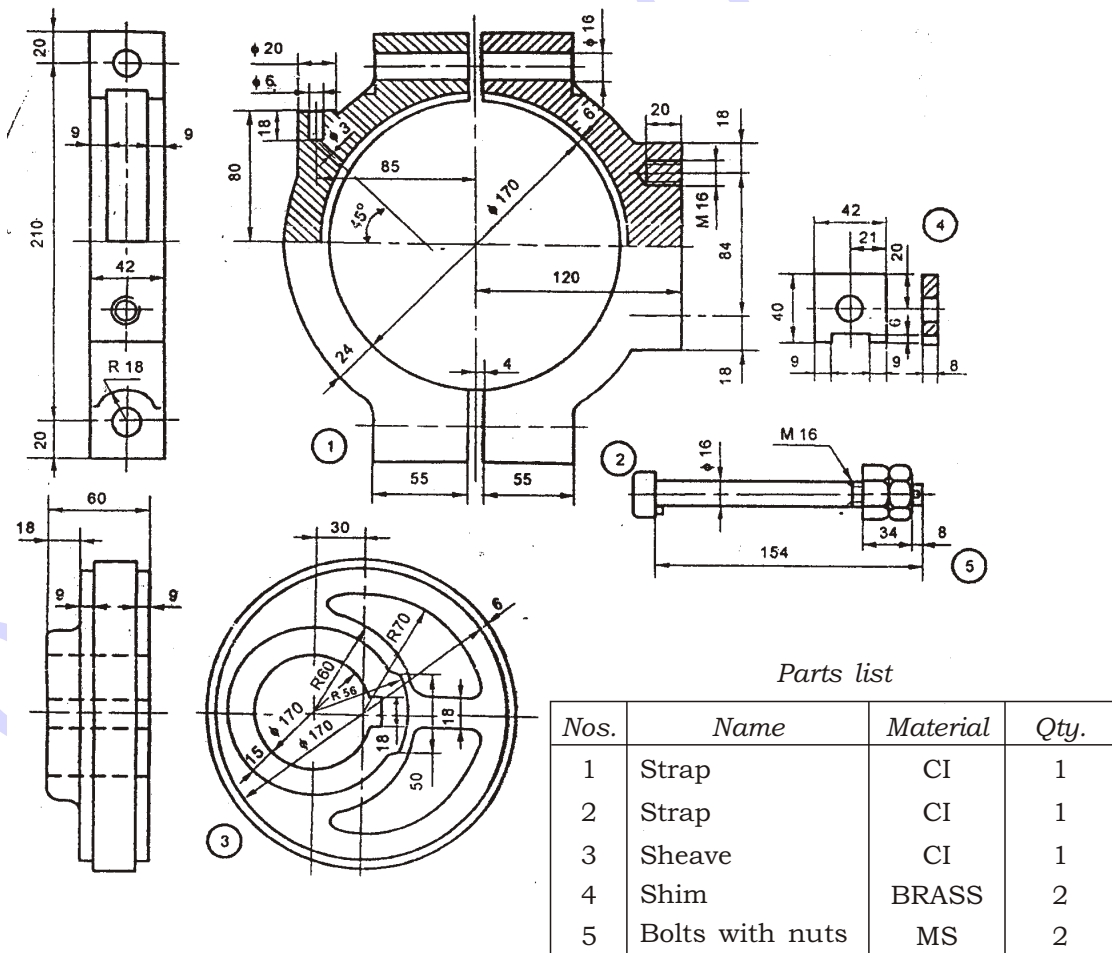


Fig. 1

6. Assemble the two rods, sleeve and the cotters shown in Fig. 2 and draw the following views :

- (a) Half-sectional front view 20
- (b) Top view 15
- (c) Dimensioning 5

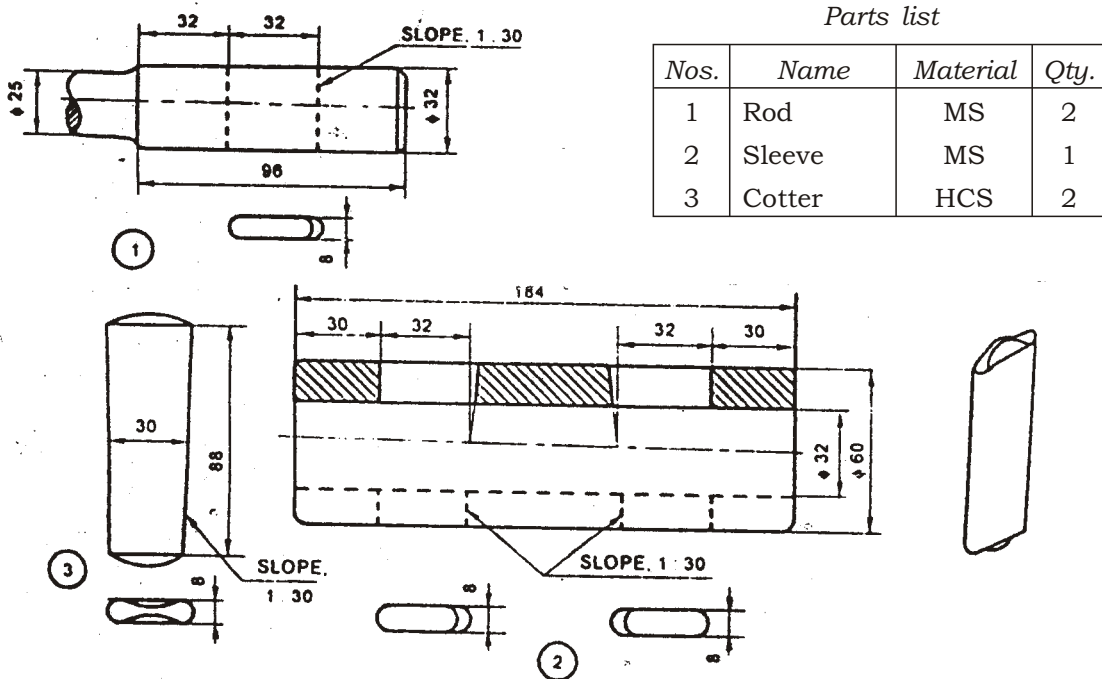


Fig. 2 : Cotter joint with sleeve