

C14-M-307

4255

BOARD DIPLOMA EXAMINATION, (C-14) OCT/NOV-2015

DME—THIRD SEMESTER EXAMINATION

MACHINE DRAWING PRACTICE

Time: 3 hours [Total Marks: 60

PART—A

 $5 \times 4 = 20$

Instructions: (1) Answer **all** questions.

- (2) Each question carries five marks.
- (3) All dimensions are in mm.
- 1. Draw the following thread profiles with proportions :
 - (a) ACME
 - (b) Worm
- 2. Draw the following form of nuts with standard proportions:
 - (a) Ring nut
 - (b) Wing nut
- **3.** Draw the single-line symbols for the following pipe fittings:
 - (a) Coupling
 - (b) Cap

*	(c)	Gate valve	
	(d)	Check valve	
	(e)	Union	
4.	Dra	aw the welded symbols for the following	g type welds :
	(a)	Spot weld	
	(b)	Single U butt weld	
	(c)	Seam weld	
	(d)	Single bevel butt weld	
	(e)	Plug weld	
		PART—B	40
Inst	ruci	PART—B cions: (1) Answer any one question.	40
Inst	ruct		40
Inst	ruci	tions: (1) Answer any one question.	
Inst	ruct	tions: (1) Answer any one question. (2) All dimensions are in mm. (3) Assume suitable dimensions	
	Fig Ass	tions: (1) Answer any one question. (2) All dimensions are in mm. (3) Assume suitable dimensions	s if not given in part mm diameter shaft.
	Fig Ass ass	(2) All dimensions are in mm. (3) Assume suitable dimensions drawings. 1 shows details of a stuffing box 65 assemble all the parts and draw the followings.	s if not given in part mm diameter shaft.
	Fig Ass ass (a)	(2) All dimensions are in mm. (3) Assume suitable dimensions drawings. 1 shows details of a stuffing box 65 is semble all the parts and draw the followed the full scale:	s if not given in part mm diameter shaft. owing views of the
	Fig Ass ass (a)	(2) All dimensions are in mm. (3) Assume suitable dimensions drawings. 1 shows details of a stuffing box 65 is semble all the parts and draw the followership to full scale: Elevation—full in section	mm diameter shaft. owing views of the

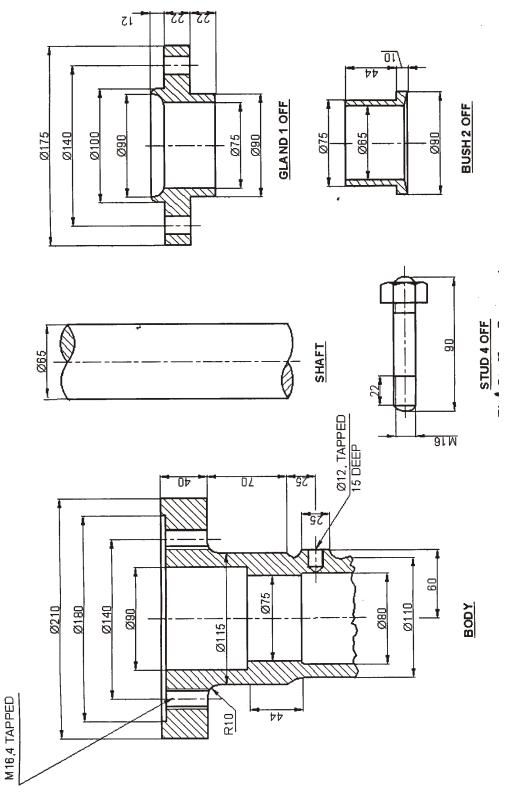


Fig. 1 : Stuffing box parts

6. Fig. 2 shows details of connecting rod of petrol engine. Assemble all the parts and draw the following views of the assembly to full scale:

(a) Elevation—full in section

19+5 for dimensioning

(b) Plan—full in section

9+3 for dimensioning

(c) Prepare material list

4

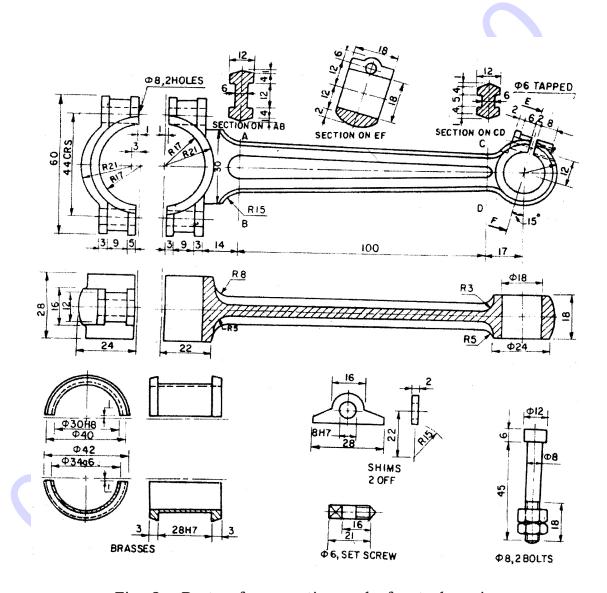


Fig. 2: Parts of connecting rod of petrol engine

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