

GUJARAT TECHNOLOGICAL UNIVERSITY**Diploma Engineering - SEMESTER-III • EXAMINATION – WINTER 2013****Subject Code: 3335501****Date: 26-11-2013****Subject Name: Fabrication Drafting****Time: 02:30 pm - 05:00 pm****Total Marks: 70****Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.
4. English version is considered to be Authentic.

- Q.1** (a) Draw a typical fabrication drawing and write different general notes written on it **07**
- (b) Draw neat sketch and label different parts of following process equipment **07**
1. Pressure vessel
 2. Shell and tube heat exchanger

- Q.2** (a) Explain ANY SEVEN commercial form of metal as BIS in following tabulated format **07**

Sr. No	Description	symbol	Dimensions to be specified of the profile section		Designation Example
			letter	figure	

- (b) Draw following piping symbols **07**
1. Elbow 90°
 2. Eccentric reducer
 3. Tee
 4. Cross
 5. Angle gate valve
 6. Stop cock
 7. Expansion joint
 8. Union
 9. Elbow turn down
 10. Positive displacement pump
 11. Cone roof tank
 12. Reciprocating compressor
 13. Agitator or mixer
 14. Condenser

OR

- (b) What is fit? Explain different types of fit with neat sketch **07**

- Q.3** Draw (1) Front View (2) Full sectional L.H.S.V. (3) Top Plan of object shown in Fig. – 1 using 1 st Angle system. **14**

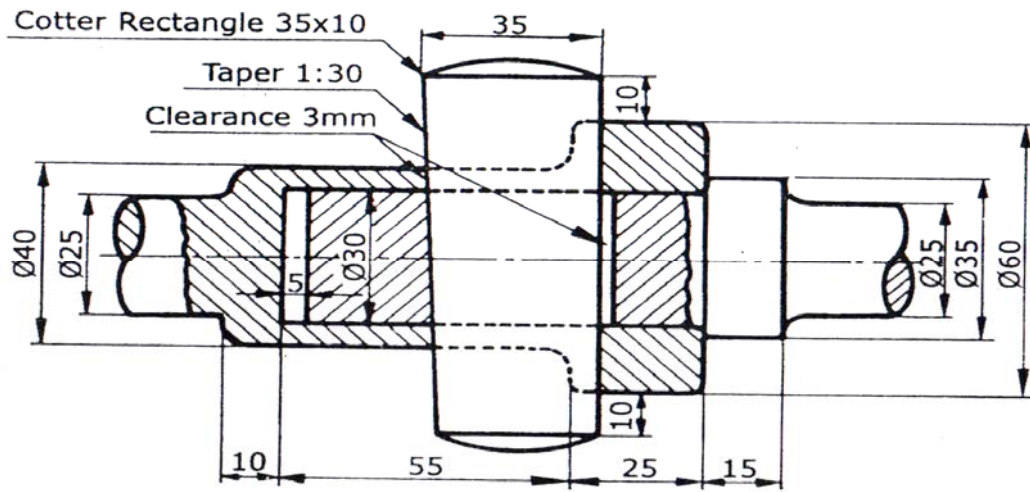
OR

- Q.3** Draw by same method of projection, following views of object shown in Fig.-2 **14**
- (1) Front View
 - (2) Sectional side view, take section along X-X
 - (3) Top plan

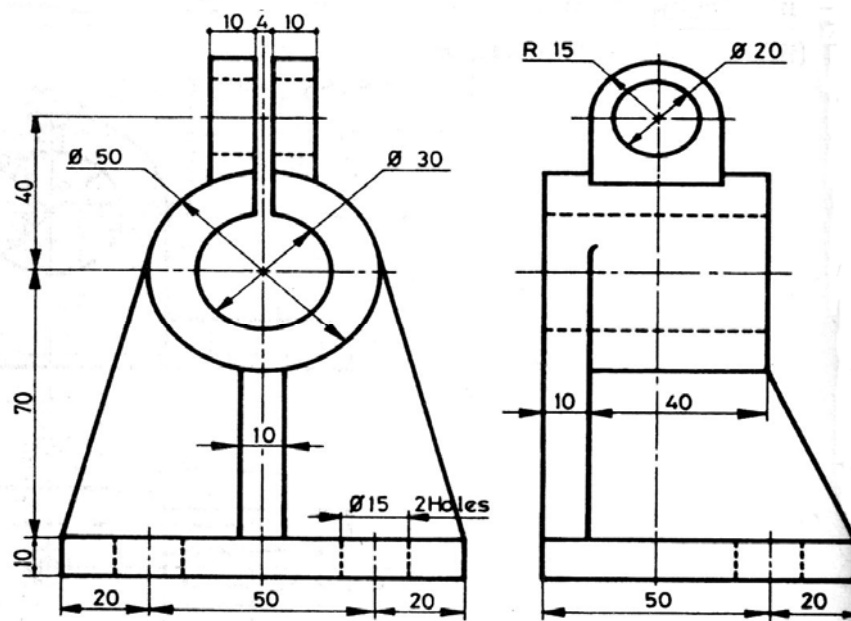
- Q.4** Draw detail drawing of Cotter joint shown in Fig.3 **14**

OR

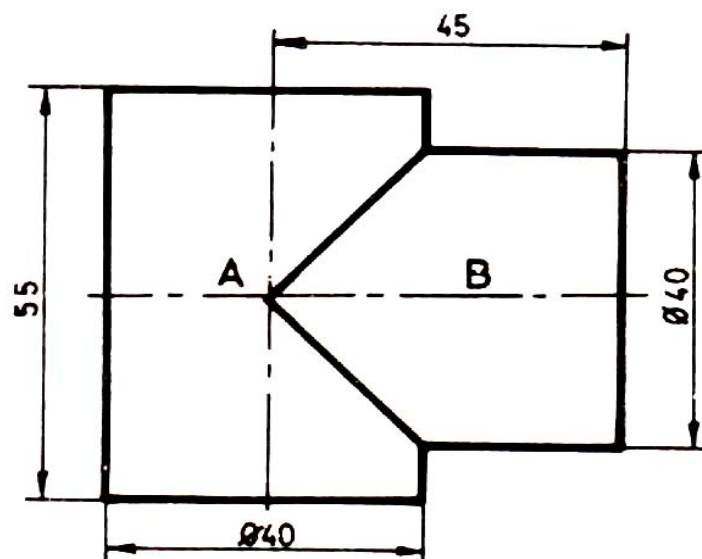
- Q.4** Draw Isometric View of different views shown in Fig.-4 **14**



Que-4 Fig.- 3 All Dimensions are in mm



Que-4 Fig.- 4 All Dimensions are in mm



Que-5 Fig.- 5 All Dimensions are in mm