_____

WINTER-16 EXAMINATION

Model Answer   Subject Code | **17328** |

WINTER – 16 EXAMINATIONS

Subject Code: **17328**   **Model Answer**   Page No: _____ / N
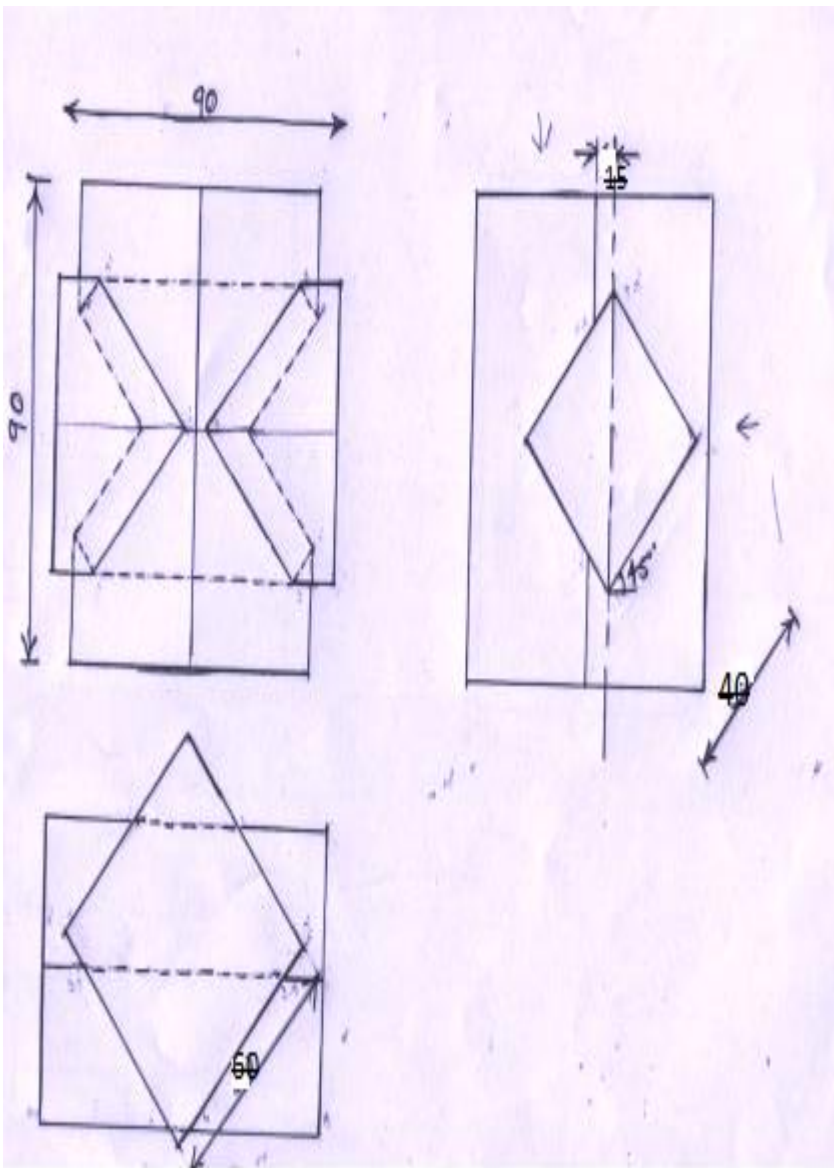
Important Instructions to examiners:
1) The answers should be examined by key words and not as word-to-word as given in the model answer scheme.
2) The model answer and the answer written by candidate may vary but the examiner may try to assess the understanding level of the candidate.
3) The language errors such as grammatical, spelling errors should not be given more importance. (Not applicable for subject English and Communication Skills)
4) While assessing figures, examiner may give credit for principal components indicated in the figure. The figures drawn by candidate and model answer may vary. The examiner may give credit for any equivalent figure drawn.
5) Credits may be given step wise for numerical problems. In some cases, the assumed constant values may vary and there may be some difference in the candidate's answers and model answer.
6) In case of some questions credit may be given by judgment on part of examiner of relevant answer based on candidate's understanding.
7) For programming language papers, credit may be given to any other program based on equivalent concept.

_____

WINTER-16 EXAMINATION

Model Answer   Subject Code   17328

`Q . NO.	MODEL ANSWER	MARKS	TOTAL MARKS
1.A	**Attempt any ONE of the following:**		**12**
a)		3mark-T.V 3mark-S.V 4mark-FV 2 Mark-Dimension	**12**

WINTER-16 EXAMINATION

Model Answer   Subject Code   17328

b)		12
		5m-T.V 5M-F.V 2- B...O.M
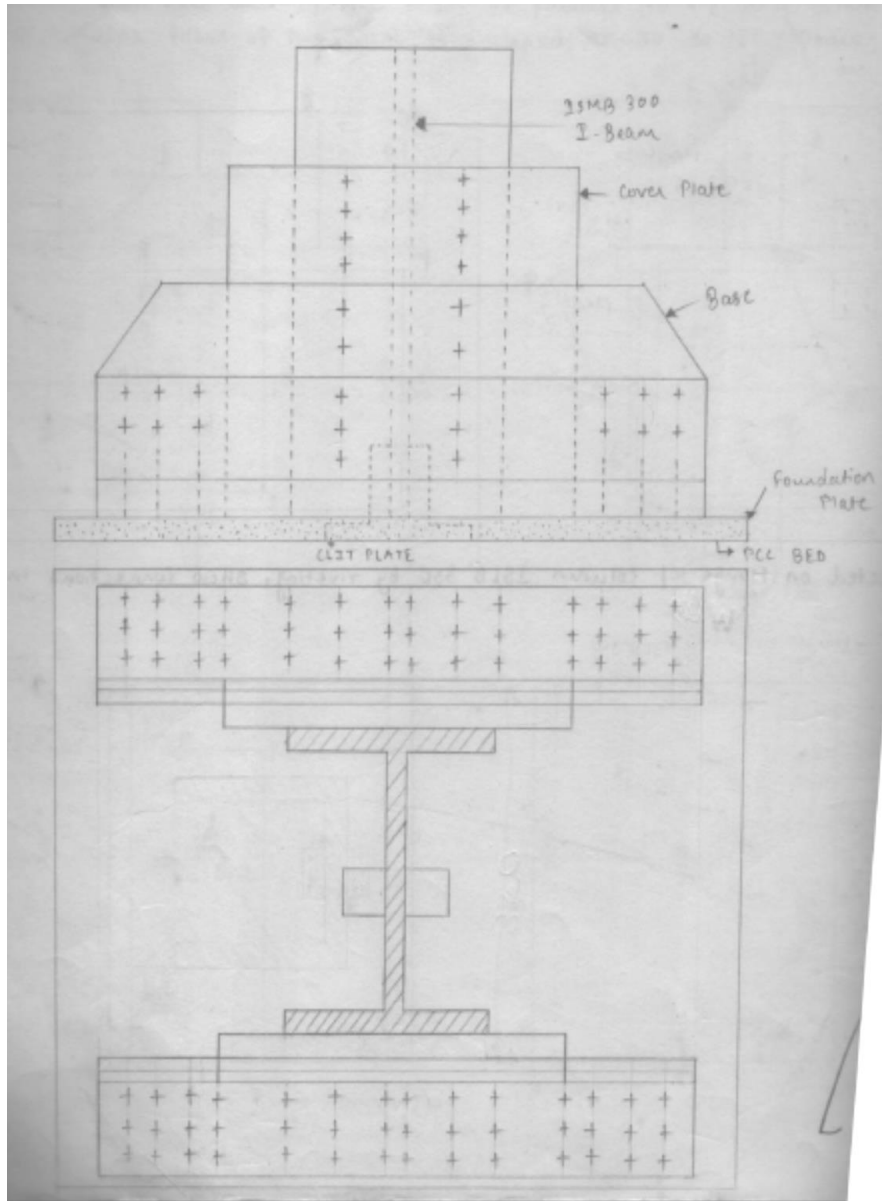
Bill of Material
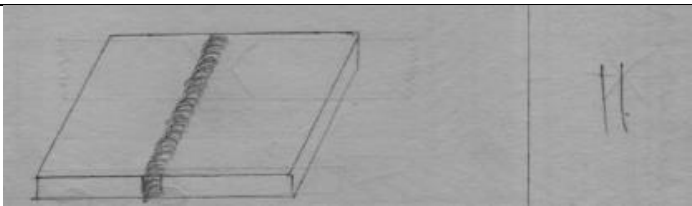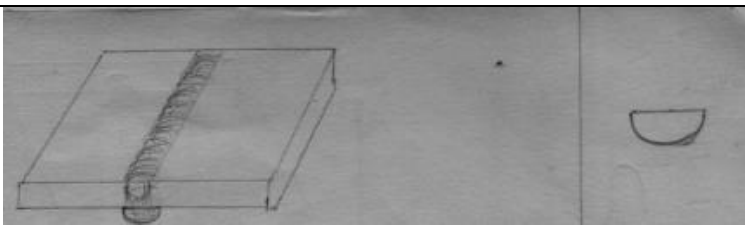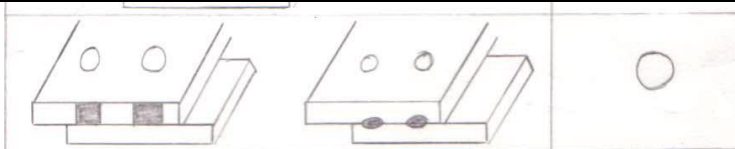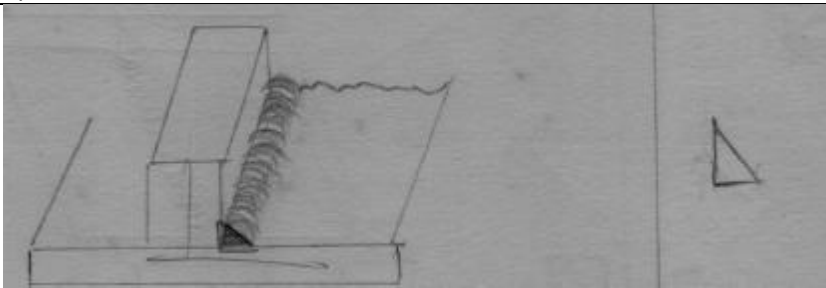
Sr.No	Description	Item No.
1	Base plate	01
2	ISMB 300	01
3	CoverPlate	02
4	Foundation Plates	01

WINTER-16 EXAMINATION

Model Answer   Subject Code   17328

B	Attempt any ONE of the following:		8
a)i	Squre butt Weld	2mark	8M
ii	Backing Weld	2mark	
iii	Spot weld	2mark	
iv	Seam Weld	2mark	
b)	Types of supports used for erction. 1. plate type sadle support 2. Ring type saddle support 3. Skirt support 4. column support 5. Bracket support.	List – 2 mark 2 mark FOR EACH. (ANY THREE)	8M

WINTER-16 EXAMINATION
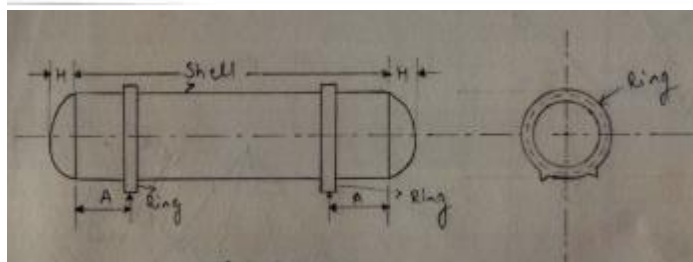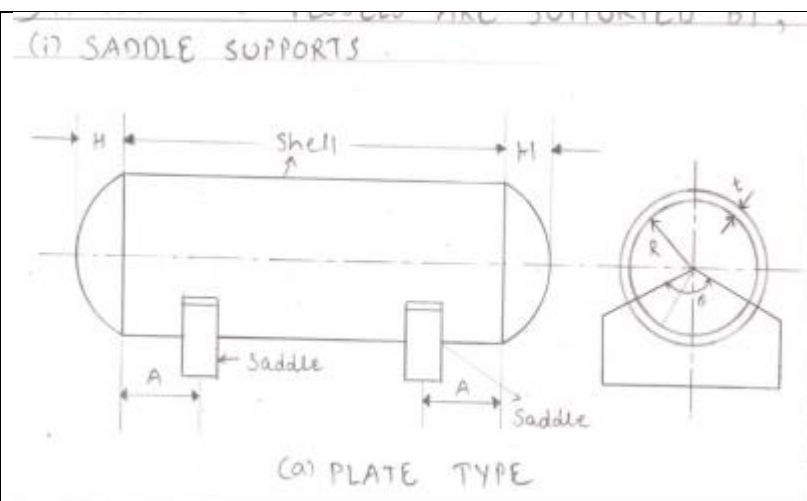
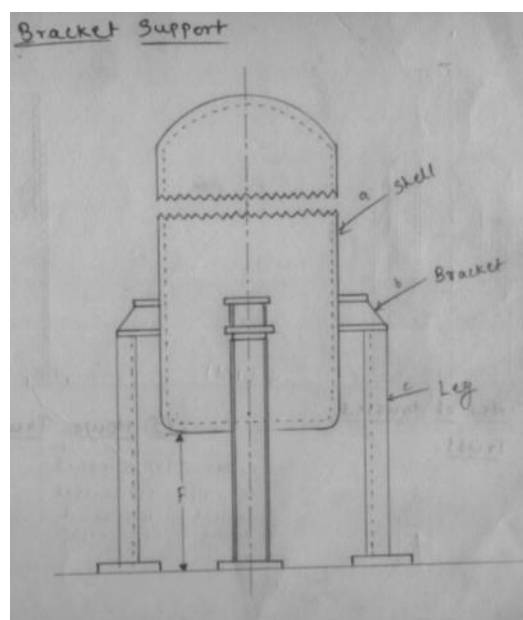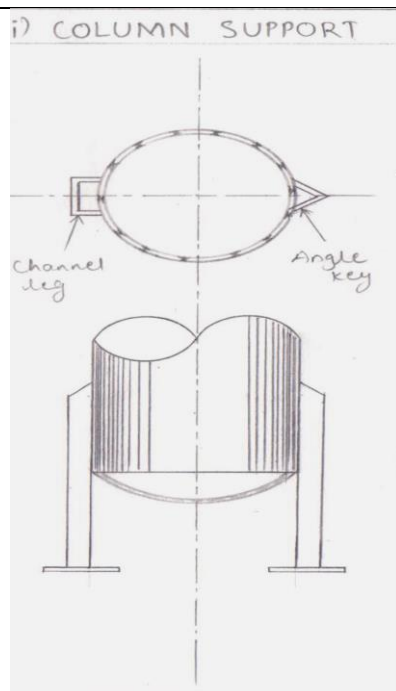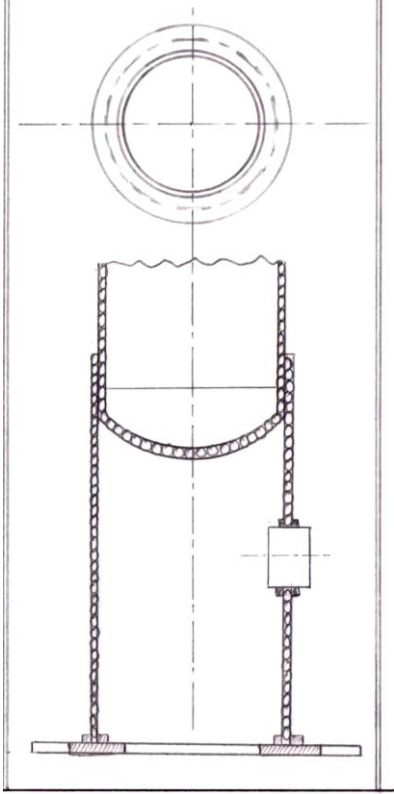**Model Answer**   Subject Code   17328

(i) SADDLE SUPPORTS

(a) PLATE TYPE

Ring Type

WINTER-16 EXAMINATION

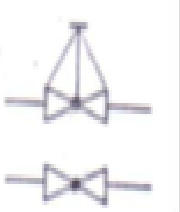**Model Answer**   Subject Code   17328

i) COLUMN SUPPORT

Channel leg

Angle key

Bracket Support

a shell

b Bracket

c Leg

_____

WINTER-16 EXAMINATION

Model Answer   Subject Code   17328
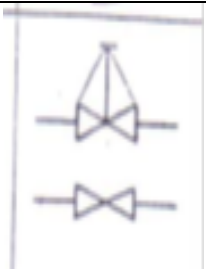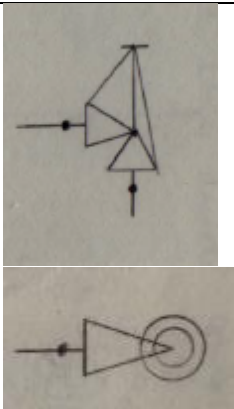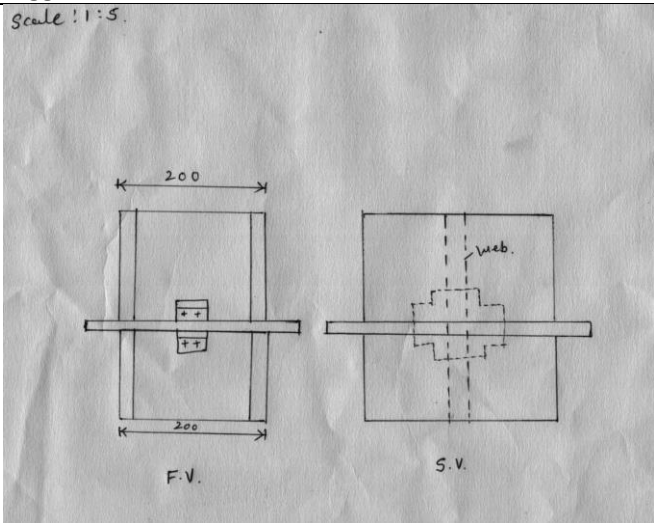
(a) STRAIGHT SKIRT

Straight skirt support

2.	Attempt any TWO of the following:		16
a)i	 Globe valve	2 mark	8M
ii	 Check valve	2 mark	

WINTER-16 EXAMINATION

Model Answer   Subject Code   17328

ii	 Gate valve	2mark	
iv	 Aggle Valve	2mark	
2 b)		4m-F.V **4m**- S.V	8m
c)		**4mark- F.V 4mark- T.V**	**8**

_____

WINTER-16 EXAMINATION

Model Answer   Subject Code   17328

$t = 16$, $p = 72$, $t_2 = 10$, $d = 24$, $pt = 54$, $l = 252$
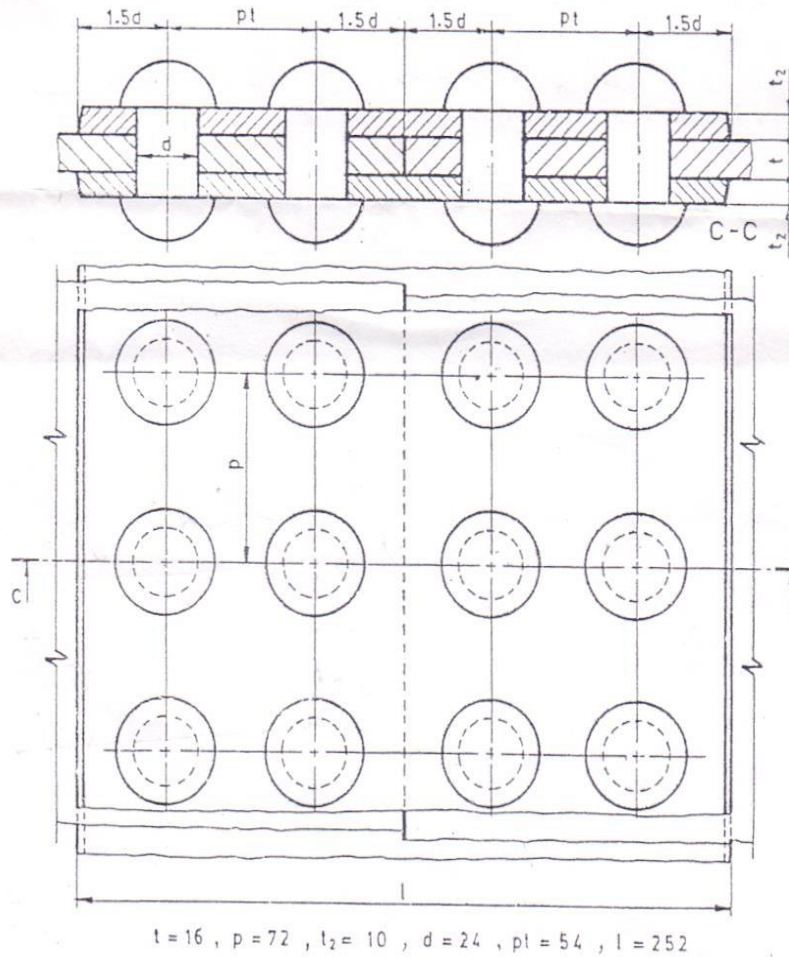
Fig B3.15 Double riveted double strap joint (Chain type)

WINTER-16 EXAMINATION

Model Answer   Subject Code   17328

3.	Attempt any ONE of the following:		16
a)		4m-F.V **8m- T.V** 4m- S.V	16 M
3b)i		2m welding symbol 2m-T.v 8m –F.V	12

_____
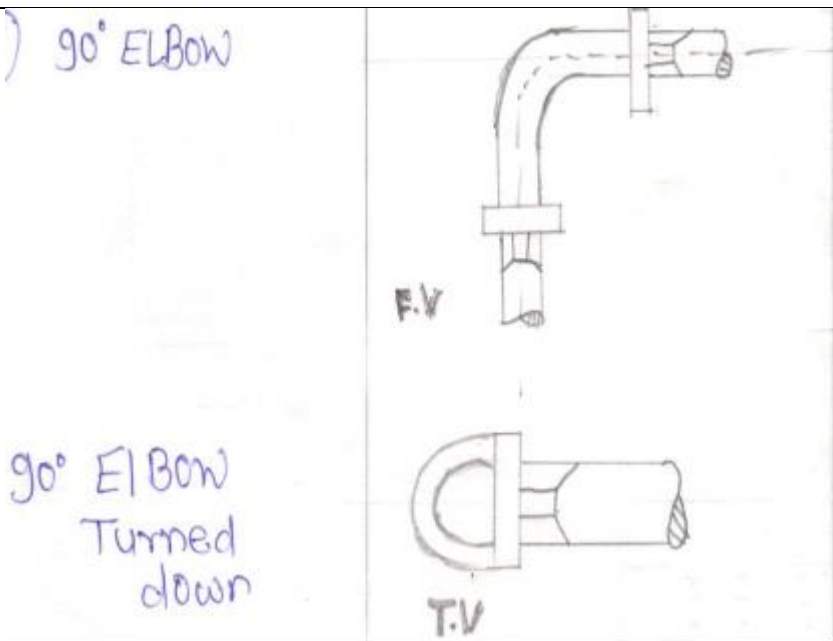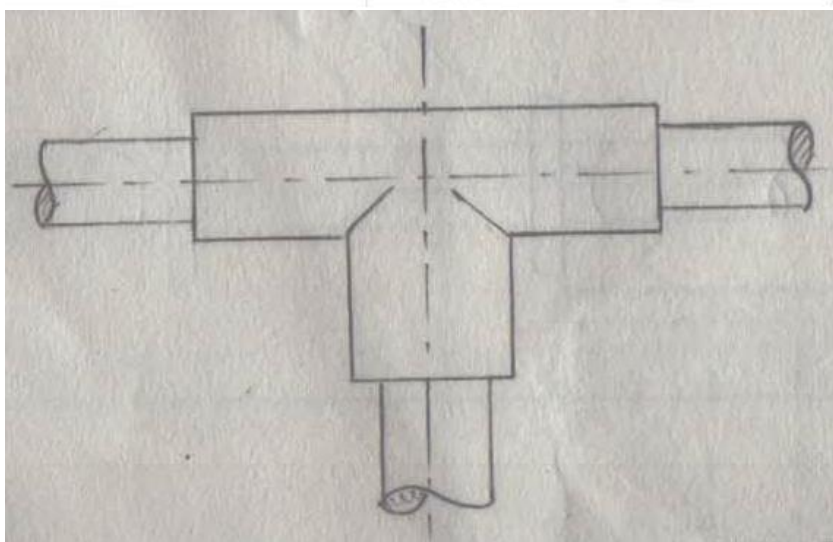
WINTER-16 EXAMINATION

Model Answer   Subject Code   **17328**

3b) ii		4M
	90° ELBOW F.V 90° ELBOW Turned down T.V	2mark
	   Tee	2 mark-TEE

_____
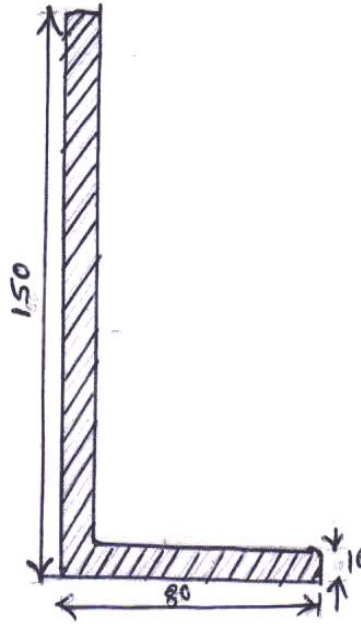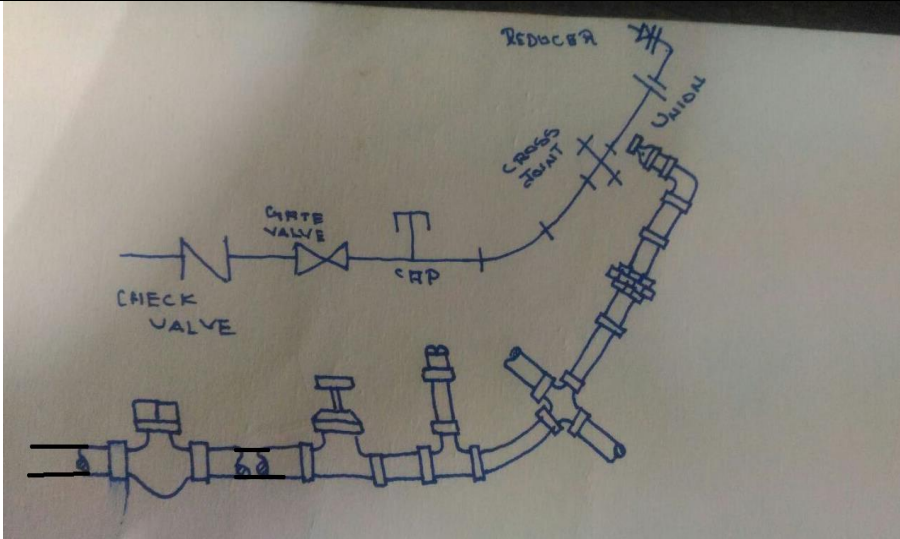
WINTER-16 EXAMINATION

Model Answer   Subject Code   17328

4.	Attempt any TWO of the following:		16
2	**ISNL 150,b=80,t=10**	4 mark- L shape 2 mark- Dimensi on 2 mark- Hatchin g.	**8M**
b)		**8m**	**8 M**

WINTER-16 EXAMINATION

Model Answer   Subject Code   **17328**
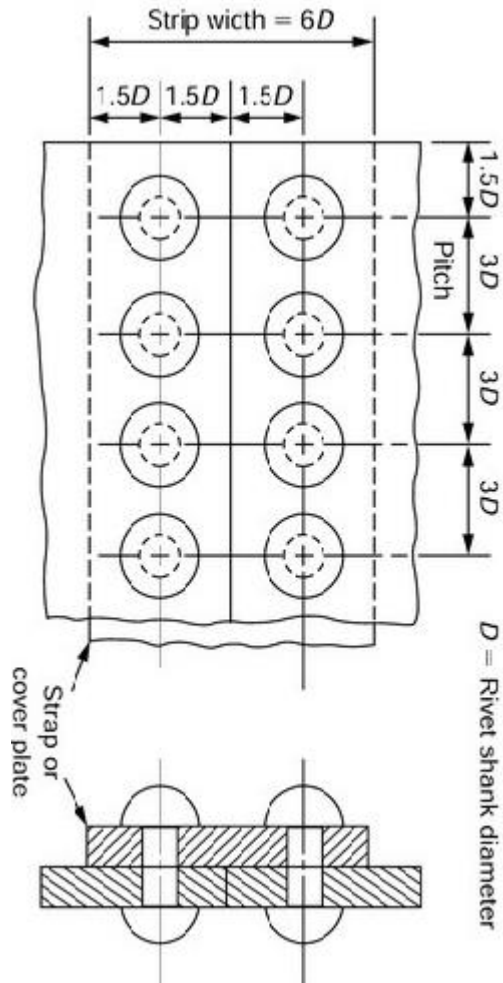
c)		8M
		4m
	single riveted single strap butt joint.	

_____

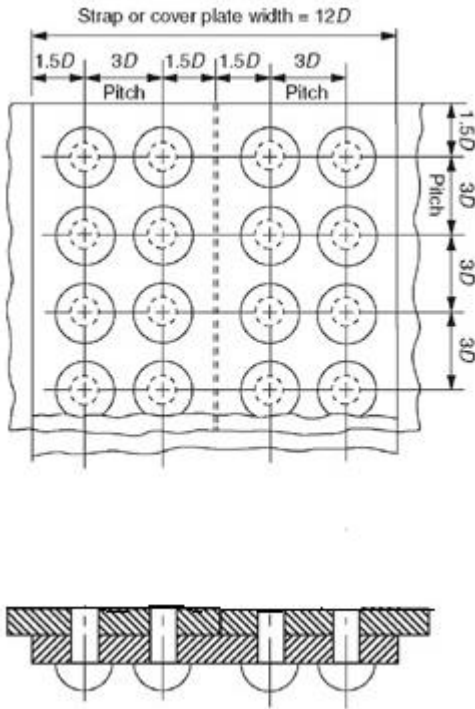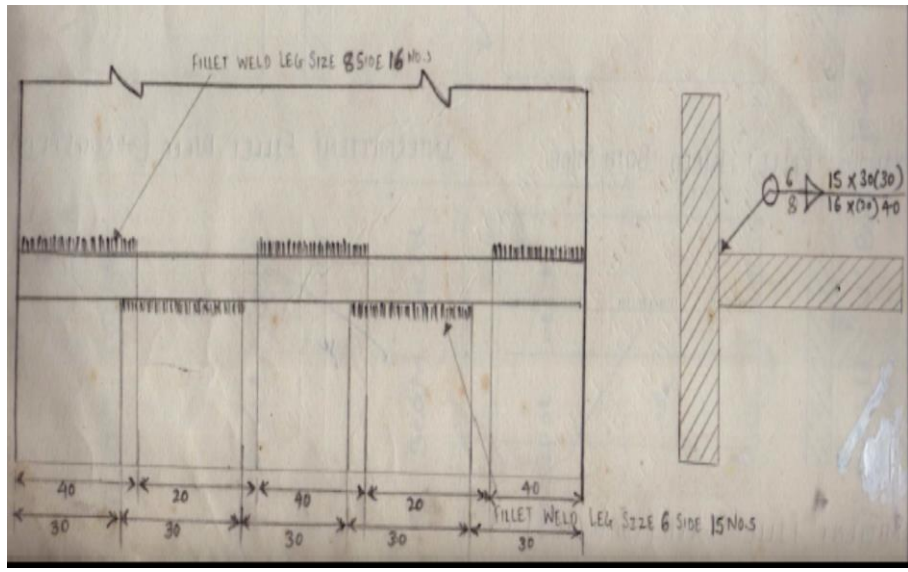**WINTER-16 EXAMINATION**

Model Answer   Subject Code   17328

DOUBLE RIVETED SINGLE STRAP BUTT JOINT.   4m
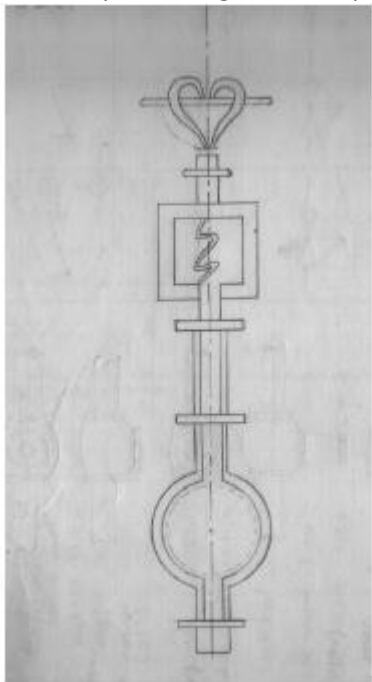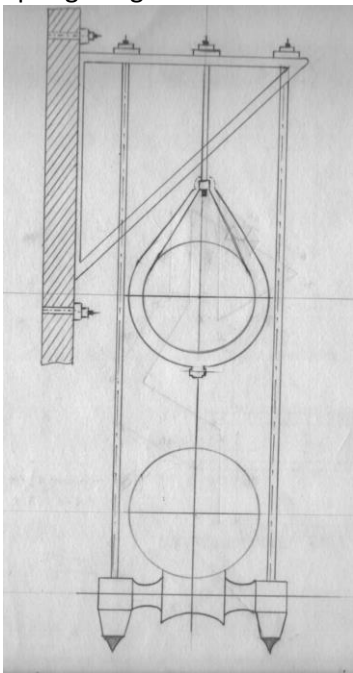
5.	Attempt any TWO of the following:		32
a)i		8-F.V 4-S.V	12

_____

WINTER-16 EXAMINATION

Model Answer   Subject Code   17328

5a ii	Note: any one hanger either spring or bracket hanger.	**4mark**	4mark
	 Spring hanger Bracket supported hanger		

_____
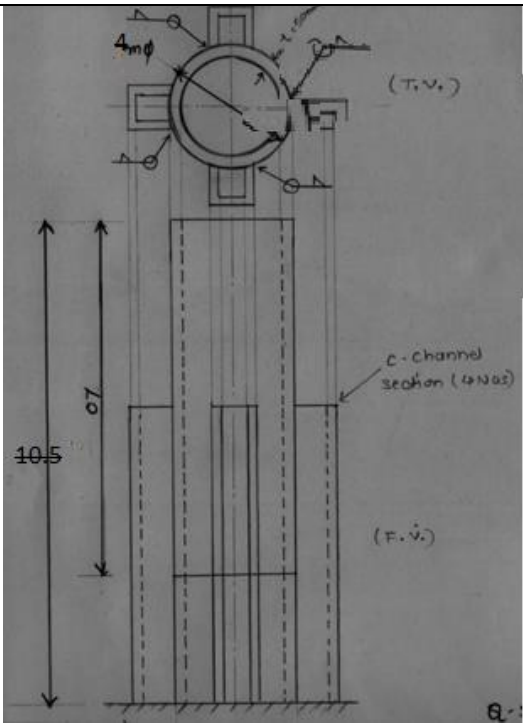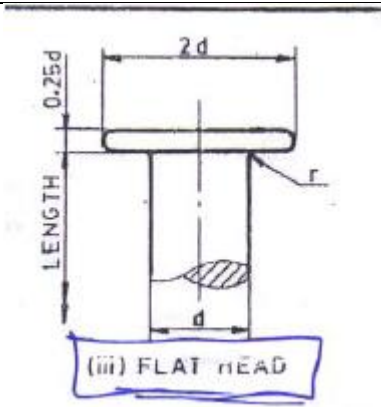
WINTER-16 EXAMINATION

Model Answer   Subject Code   17328

5b)i	 VERTICAL VESSEL	5m-F.V 5 m- T.V 2m- WELDING SYMBOL	12
b)ii		2 mark 2 MARK	4M
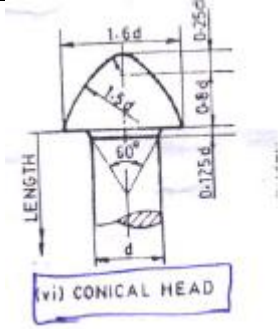
(vi) CONICAL HEAD

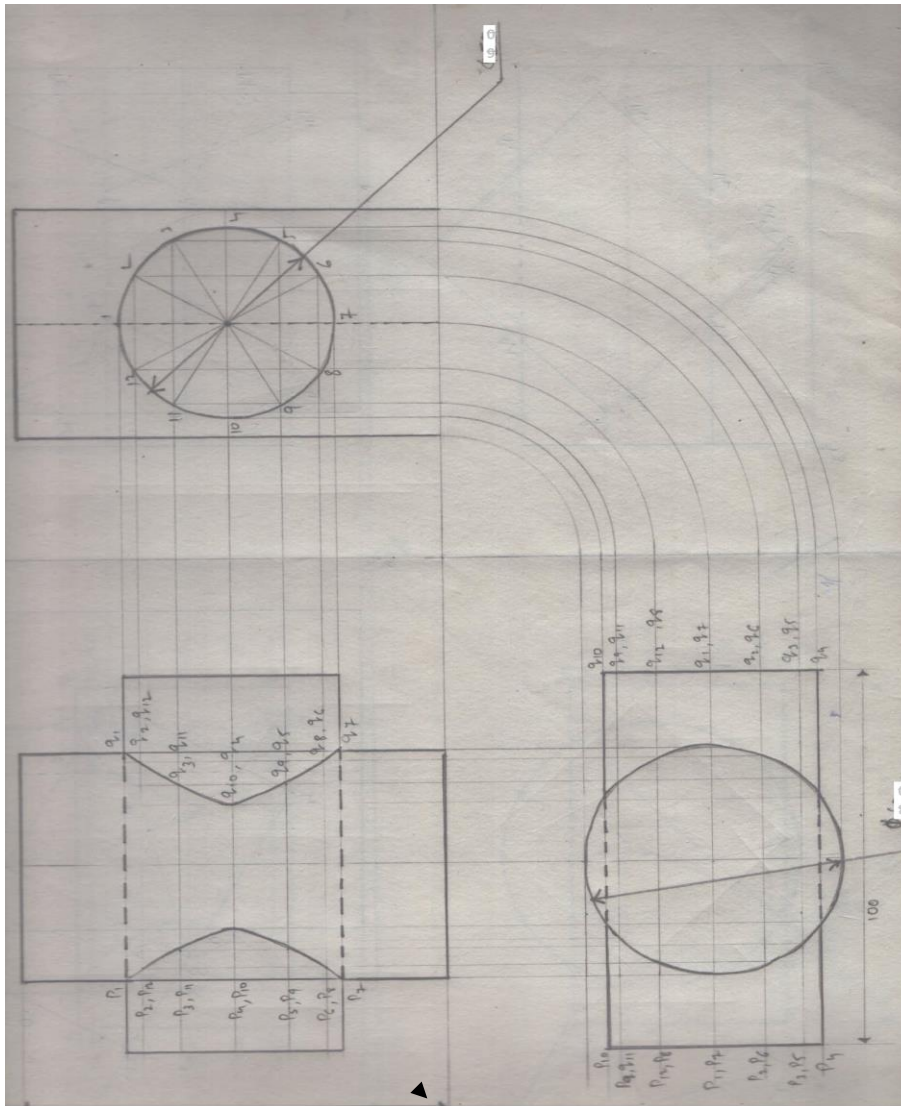**WINTER-16 EXAMINATION**

Model Answer   Subject Code   17328

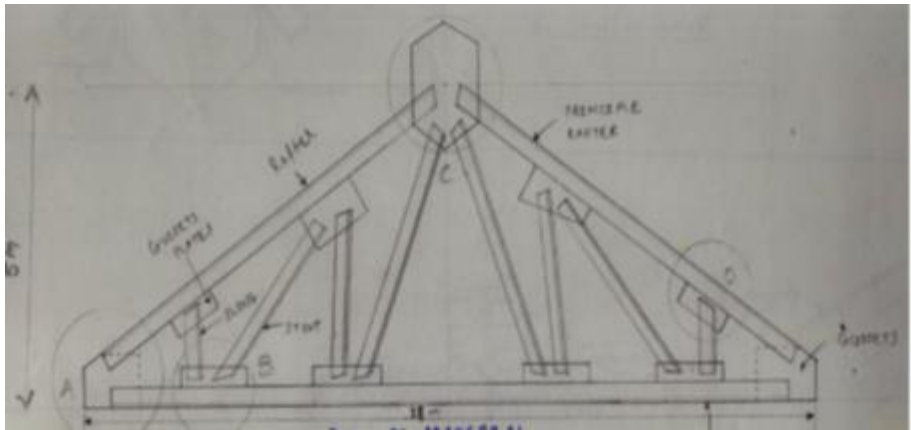| 5c)i	Note: It should be Horizontal.	2mark-T.V 2mark-S.V 3mark-FV 1mark-Dimension	**8 M**

WINTER-16 EXAMINATION

Model Answer   Subject Code   **17328**

5C ii		8M	8M