

**Subject Title: Fabrication Drawing**

Subject Code:

17328

- 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.

[illegible]



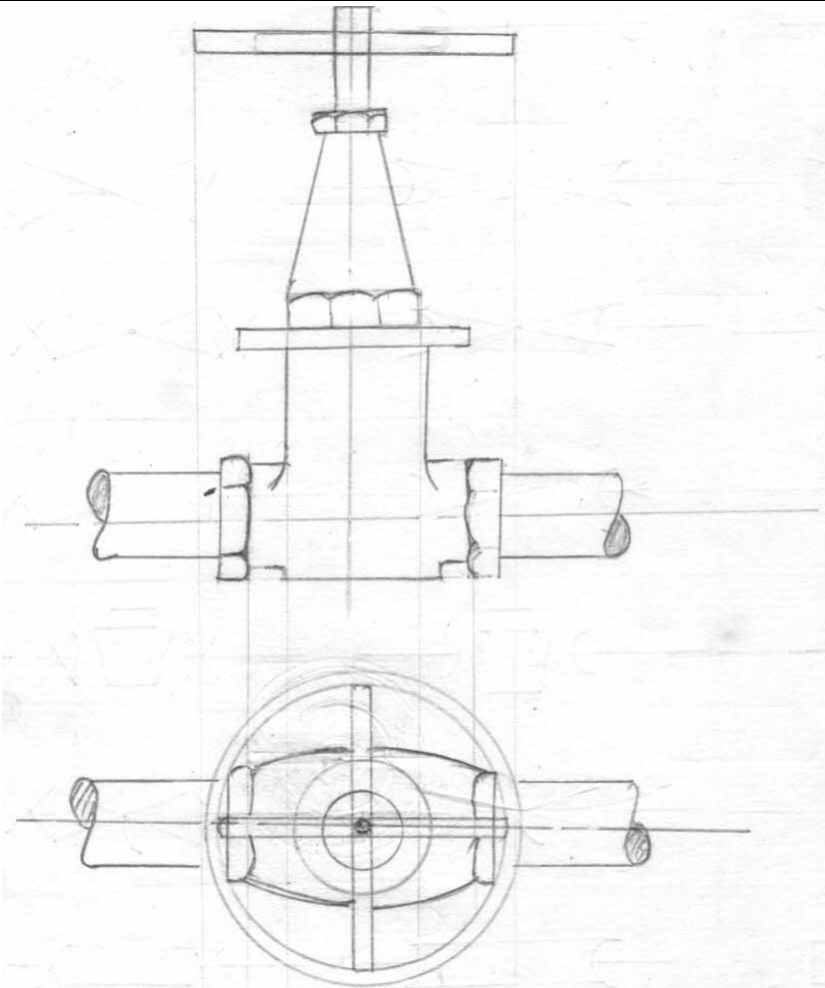
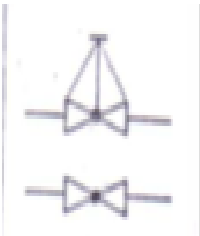
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**SUMMER- 17 EXAMINATION**

**Subject Title: Fabrication Drawing**

Subject Code:

**17328**

		
ii		1 mark

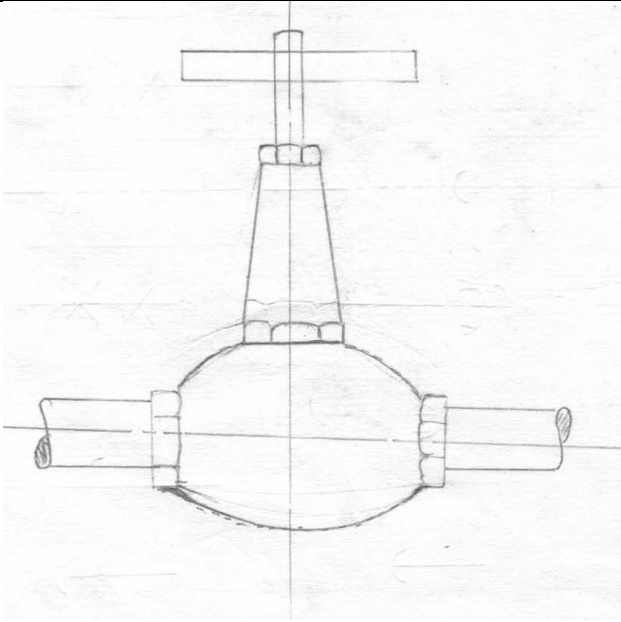
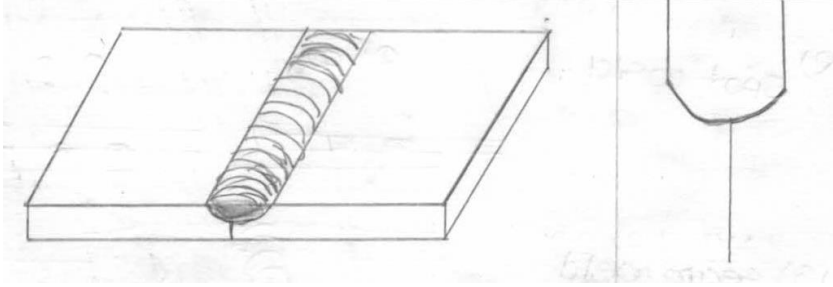
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**SUMMER- 17 EXAMINATION**

**Subject Title: Fabrication Drawing**

Subject Code:

**17328**

	 <p>Globe valve(Double)</p>	1mark
<b>1.b</b> <b>(i)</b>	<p><b>Single U BUTT</b></p> 	1 mark

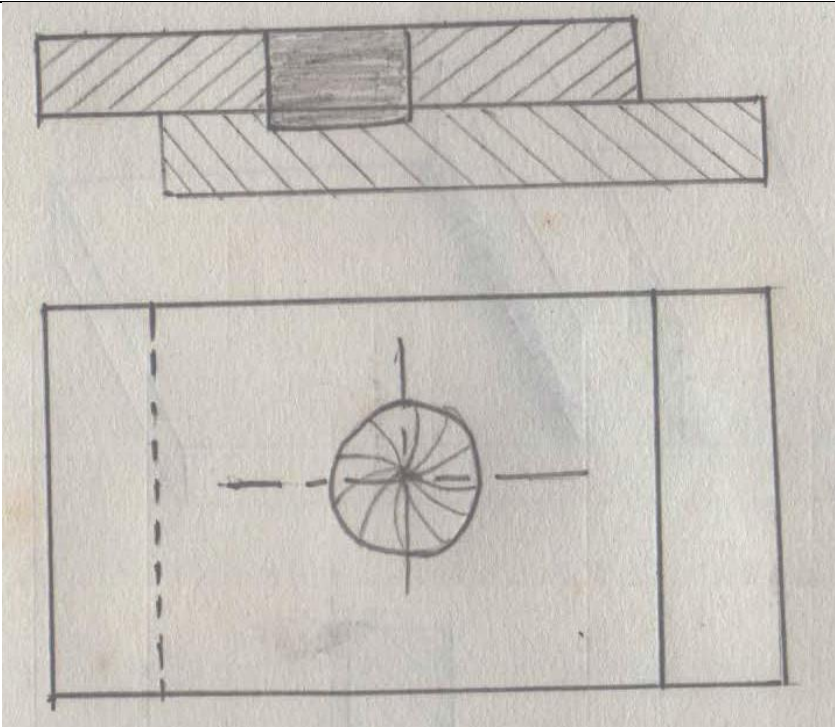
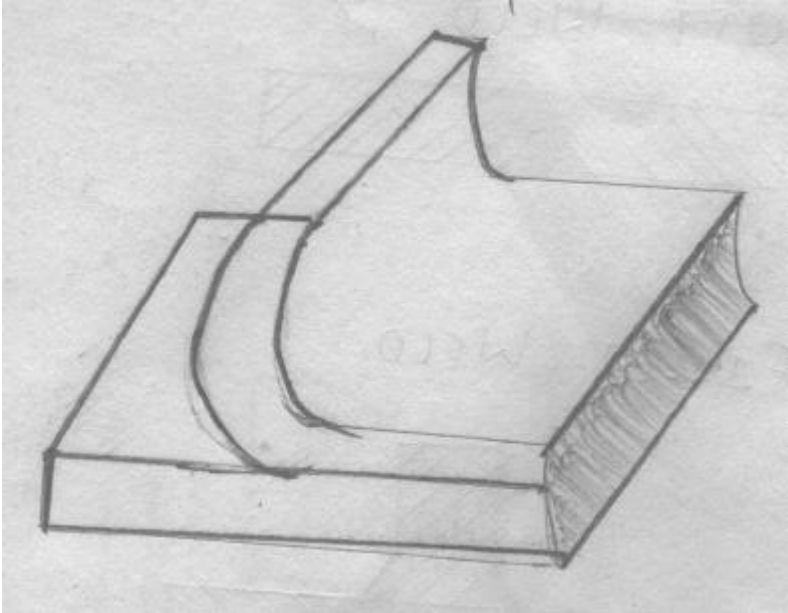
**MODEL ANSWER**

**SUMMER- 17 EXAMINATION**

**Subject Title: Fabrication Drawing**

Subject Code:

**17328**

(ii)	 <p>Plug weld</p>	1 mark
iii		1 mark



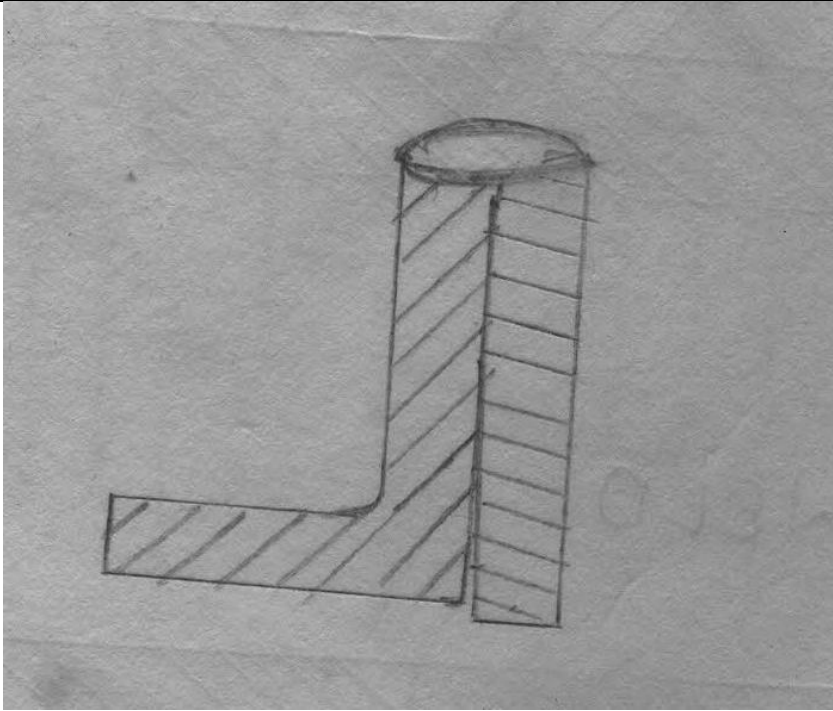
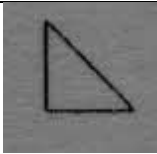
**MODEL ANSWER**

**SUMMER- 17 EXAMINATION**

**Subject Title: Fabrication Drawing**

Subject Code:

**17328**

		
iv	 Fillet weld.	1 m

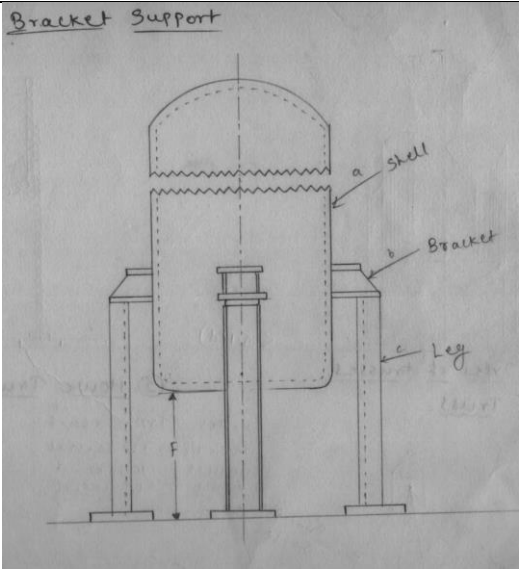
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### SUMMER- 17 EXAMINATION

**Subject Title: Fabrication Drawing**

Subject Code:

**17328**

<p><b>1c.</b></p>	<p><u>Bracket Support</u></p> 	<p>4m</p>
<p><b>1.d</b></p>	<p>Note : any one hanger either spring or bracket hanger.</p>	<p>4m</p>



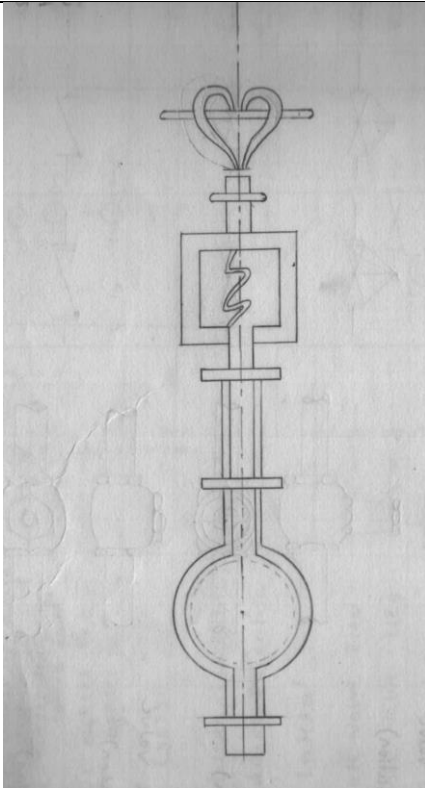
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**SUMMER- 17 EXAMINATION**

**Subject Title: Fabrication Drawing**

Subject Code:

**17328**



Spring hanger

Note : any one hanger either spring or bracket hanger.



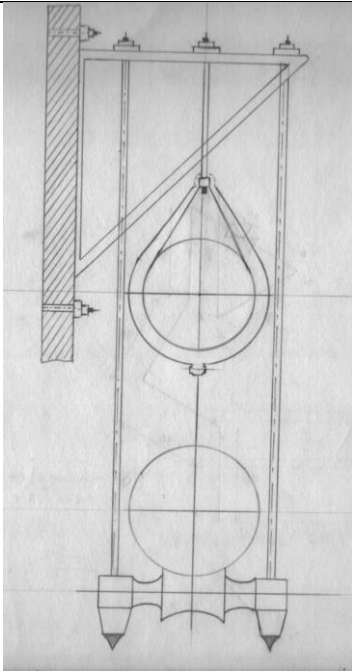
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**SUMMER- 17 EXAMINATION**

**Subject Title: Fabrication Drawing**

Subject Code:

**17328**



Bracket supported hanger

**1.e**  
**(i)**



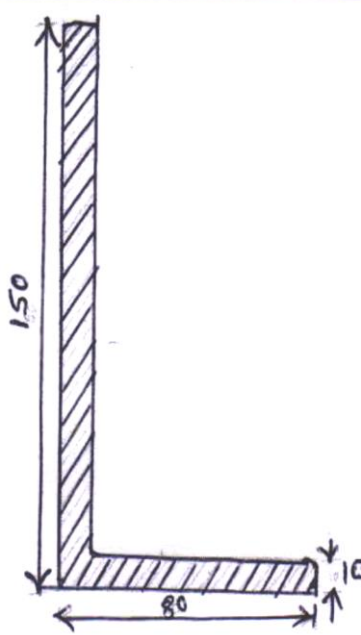
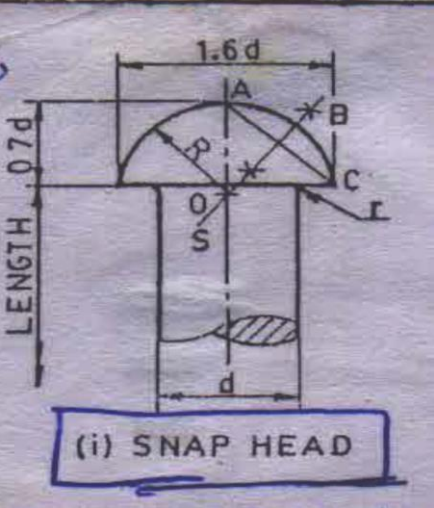
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### SUMMER- 17 EXAMINATION

Subject Title: Fabrication Drawing

Subject Code:

17328

1.e	 <p>ISNL 150,b=80,t=10</p>	<p>2mark-L shape</p> <p>1mark-Dimension</p> <p>1-mark-Hatching.</p>
1.f i	 <p>(i) SNAP HEAD</p>	1 mark

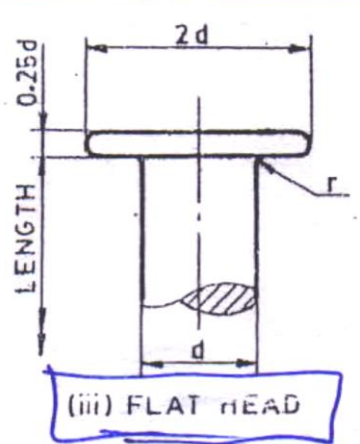
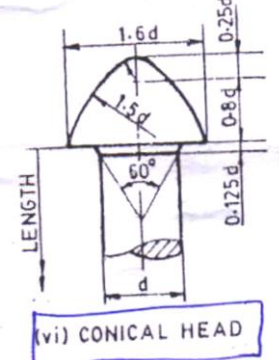
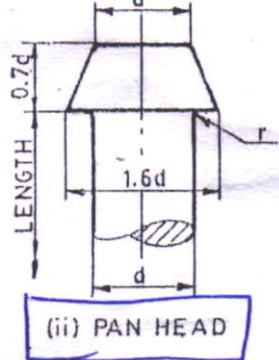
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**SUMMER- 17 EXAMINATION**

**Subject Title: Fabrication Drawing**

Subject Code:

**17328**

ii		1mark
iii		1 mark
iv		1mark

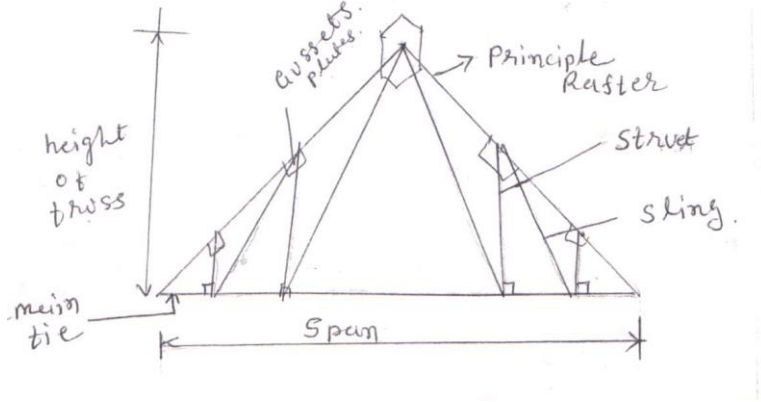
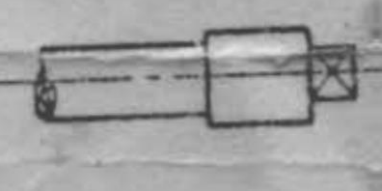

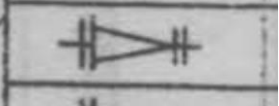
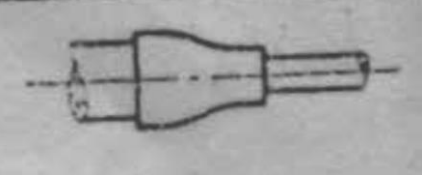
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### SUMMER- 17 EXAMINATION

**Subject Title: Fabrication Drawing**

Subject Code:

**17328**

<p><b>1.g</b></p>	 <p style="text-align: center;"><b>Pratt Truss</b></p>	<p>2 MARK-SKETCH</p> <p>2Mark-Part name</p>
<p><b>1.h</b> <b>i</b></p>	 <p>DOUBLE LINE</p>  <p>SINGLE LINE</p> <p>PLUG</p>	<p>2m</p>
<p><b>ii</b></p>	 <p>single line</p>  <p>Double line`</p> <p>Reducing socket</p>	<p>2m</p>

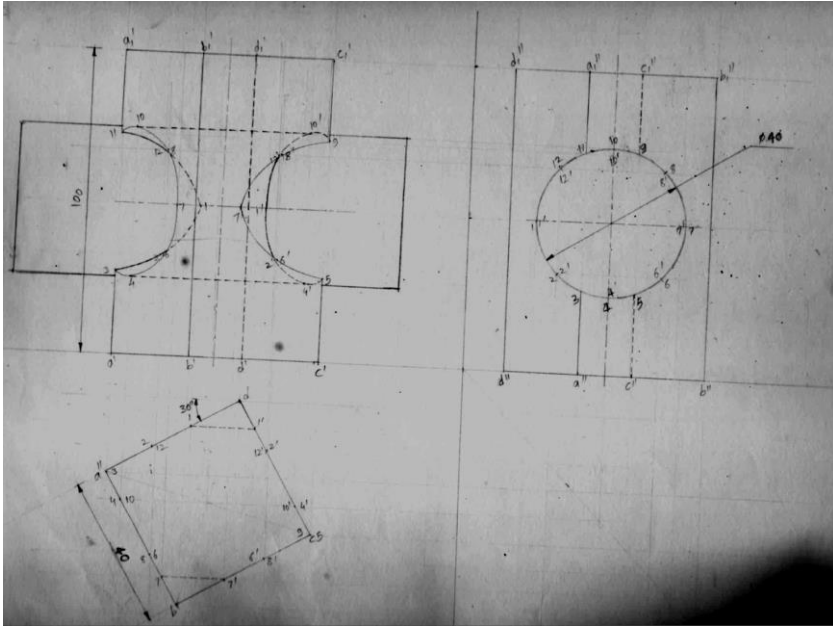
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### SUMMER- 17 EXAMINATION

Subject Title: Fabrication Drawing

Subject Code:

17328

Q.2	Attempt any TWO of the following.	2X8
2.a		<p>2 mark-T.V</p> <p>3 MARK-F.V</p> <p>2 MARK-S.V</p> <p>1M - DIMENSION</p>

## MODEL ANSWER

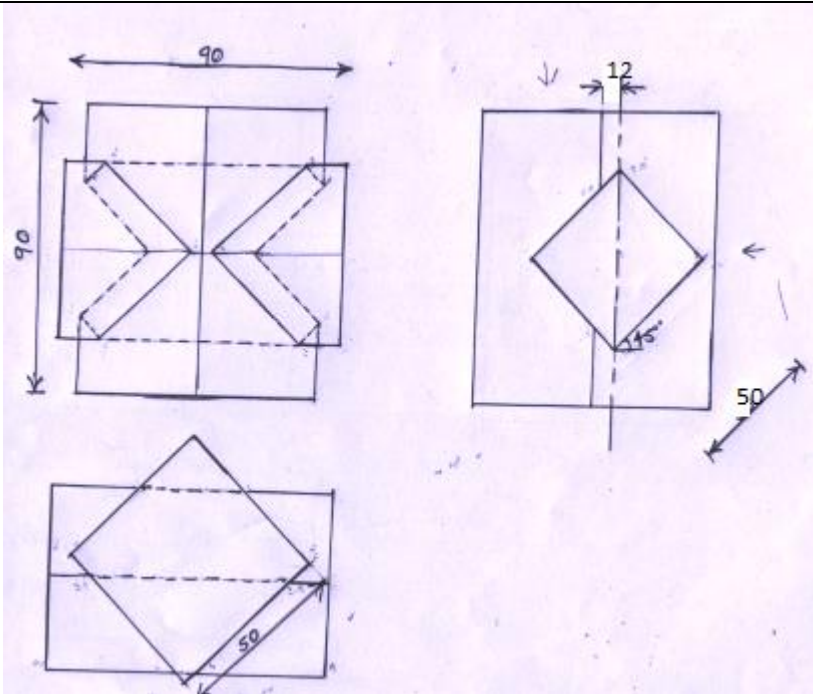
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**Subject Title: Fabrication Drawing**

Subject Code:

**17328**

**2.b**



2mark-T.V

2mark-S.V

3mark-FV

1 Mark-Dimension

## MODEL ANSWER

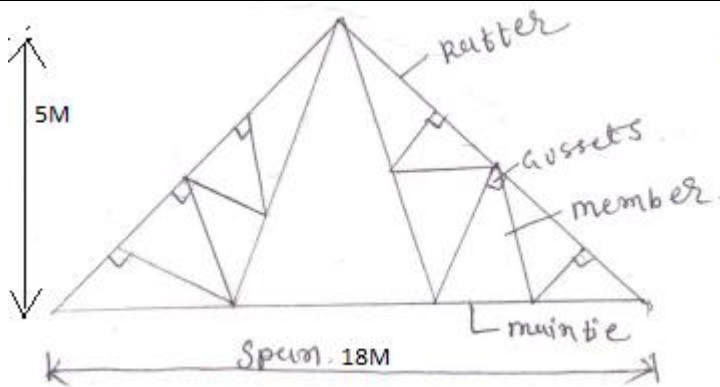
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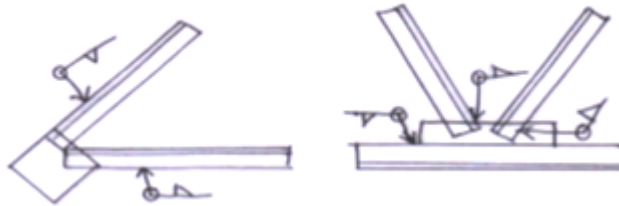
Subject Code:

**17328**

2.c



**Fink Truss**



4 m

4m-detailing



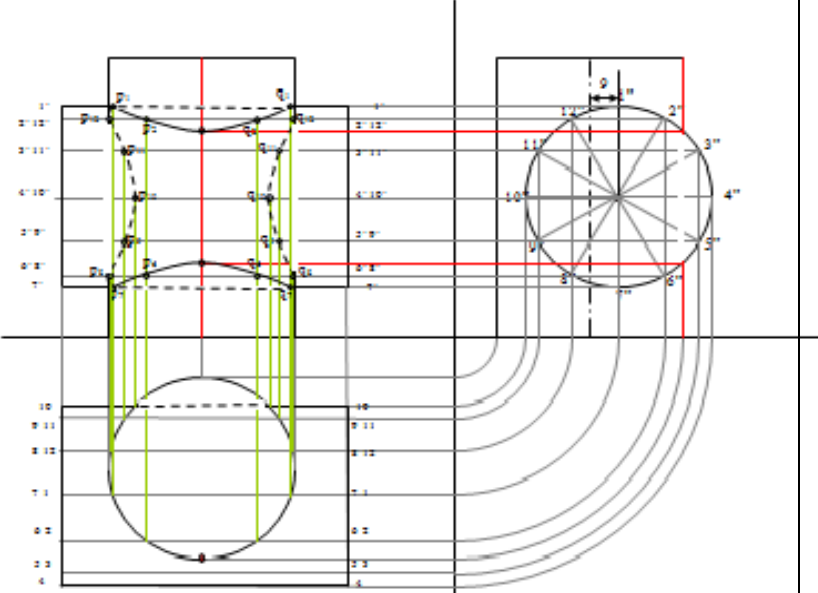
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**SUMMER- 17 EXAMINATION**

**Subject Title: Fabrication Drawing**

Subject Code:

**17328**

<b>Q.3</b>	<b>Attempt any TWO of the following.</b>	<b>2X8</b>
<b>3.a</b>		4m- F.V 2m- S.V 2m- T.V

## MODEL ANSWER

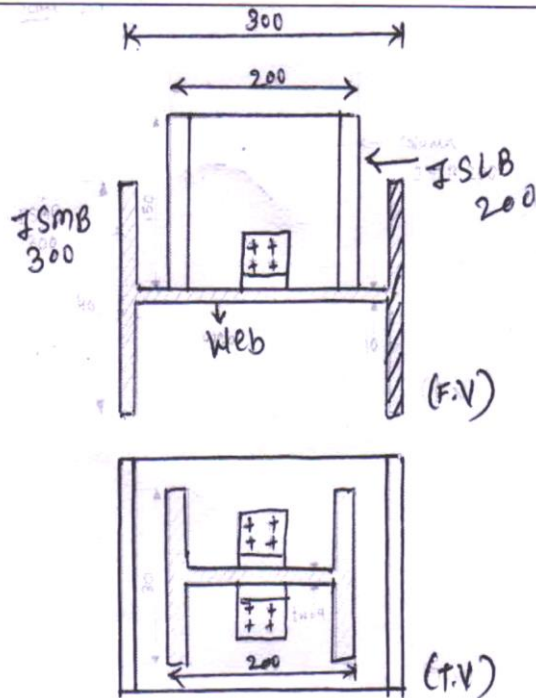
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Subject Title: Fabrication Drawing

Subject Code:

17328

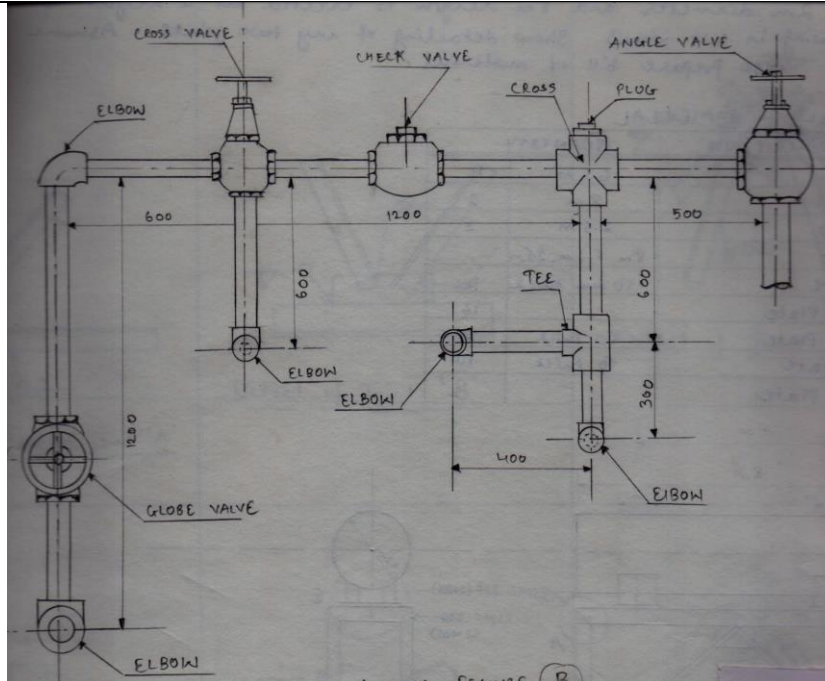
3.b.



4 mark-F.V

4 mark-T.V

3.C



4- mark-double line view

1 Mark-Dimension

3 mark-bill of material



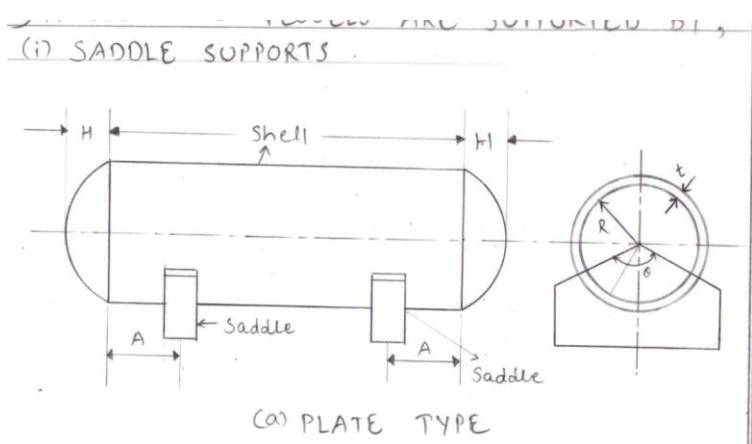
## MODEL ANSWER

### SUMMER- 17 EXAMINATION

**Subject Title: Fabrication Drawing**

Subject Code:

**17328**

	<table border="1"> <thead> <tr> <th>Item no.</th><th>Description</th><th>Qty (no.)</th></tr> </thead> <tbody> <tr> <td>1</td><td>Cross Valve</td><td>1</td></tr> <tr> <td>2</td><td>Check Valve</td><td>1</td></tr> <tr> <td>3</td><td>Angle Valve</td><td>1</td></tr> <tr> <td>4</td><td>Globe Valve</td><td>1</td></tr> <tr> <td>5</td><td>G.I.Pipe</td><td>5.4m (length)</td></tr> <tr> <td>6</td><td>G.I.Tee</td><td>1</td></tr> <tr> <td>7</td><td>Elbow</td><td>5</td></tr> <tr> <td>8</td><td>Plug</td><td>1</td></tr> <tr> <td>9</td><td>Cross</td><td>1</td></tr> </tbody> </table>	Item no.	Description	Qty (no.)	1	Cross Valve	1	2	Check Valve	1	3	Angle Valve	1	4	Globe Valve	1	5	G.I.Pipe	5.4m (length)	6	G.I.Tee	1	7	Elbow	5	8	Plug	1	9	Cross	1	
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6	G.I.Tee	1																														
7	Elbow	5																														
8	Plug	1																														
9	Cross	1																														
<b>Q.4</b>	<b>Attempt any TWO of the following.</b>	<b>2X8</b>																														
<b>4 .a</b>	<p>(i) SADDLE SUPPORTS</p>  <p>(ii) PLATE TYPE</p>	<p>4m-saddle support</p> <p>4m- roller support</p>																														



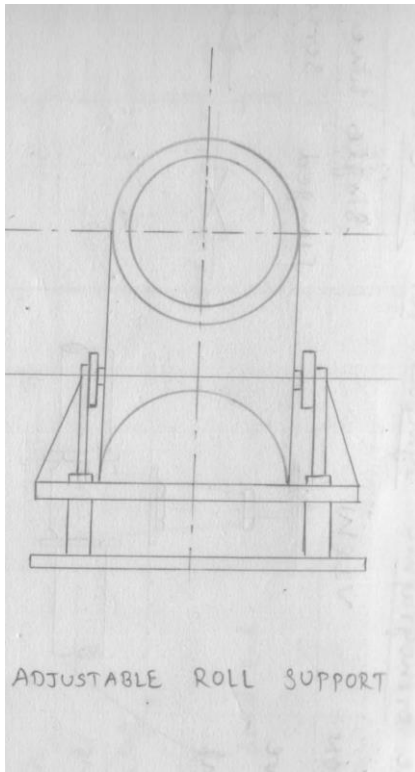
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**SUMMER- 17 EXAMINATION**

**Subject Title: Fabrication Drawing**

Subject Code:

**17328**



## MODEL ANSWER

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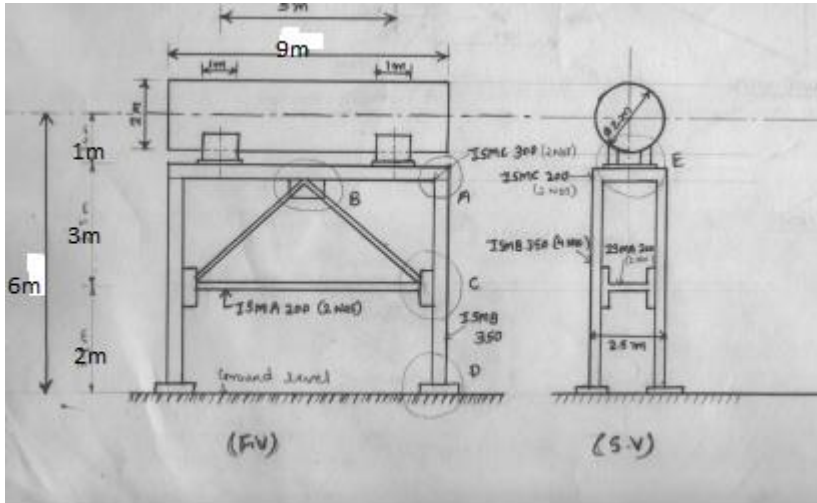
**Subject Title: Fabrication Drawing**

Subject Code:

**17328**

**4.b**

Horizontal tank



4m-F.v

4m-S.v

(8m tank)

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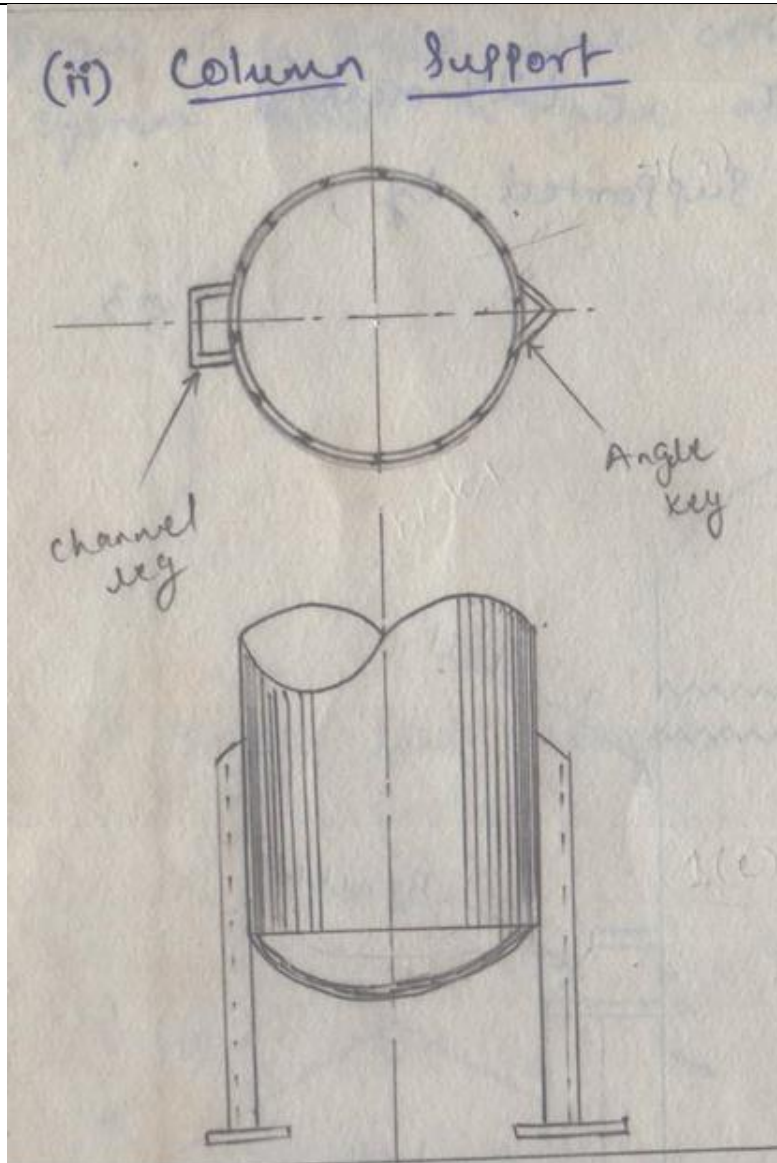
**SUMMER- 17 EXAMINATION**

**Subject Title: Fabrication Drawing**

Subject Code:

**17328**

4.c



4 MARK -COLUMN  
SUPPORT

4 MARK

SKIRT SUPPORT

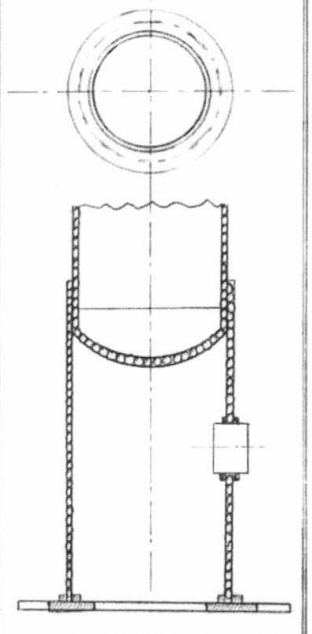
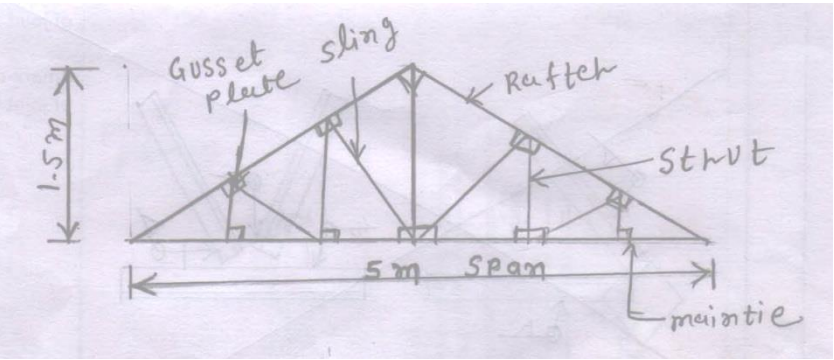
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### SUMMER- 17 EXAMINATION

**Subject Title: Fabrication Drawing**

Subject Code:

**17328**

	<p>(0) STRAIGHT SKIRT</p>  <p>straight skirt support</p>	
Q.5	Attempt any TWO of the following.	2X8
5a		<p>4 mark-FV</p> <p>4 Mark-parts name</p>




**MODEL ANSWER**

**SUMMER- 17 EXAMINATION**

**Subject Title: Fabrication Drawing**

Subject Code:

**17328**

5.b i		4 MARK  2M-F.V  2M-S.V


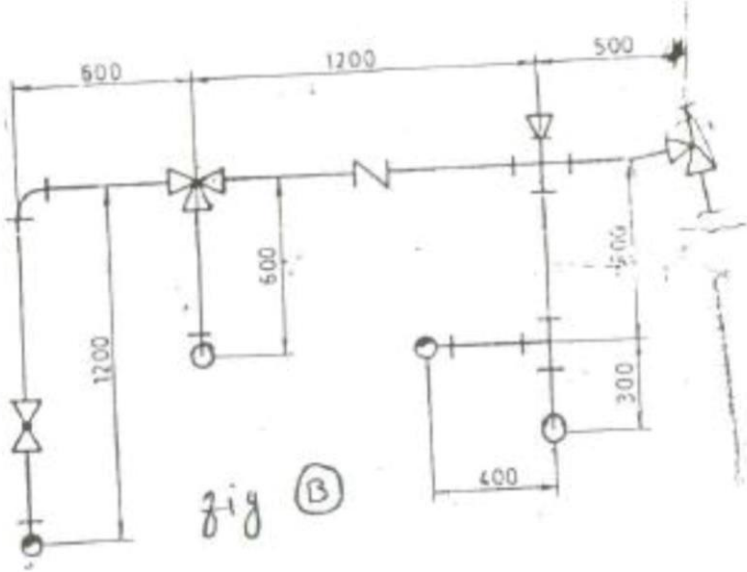
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**SUMMER- 17 EXAMINATION**

**Subject Title: Fabrication Drawing**

Subject Code:

**17328**

ii		4 mark
5.c		8 marks

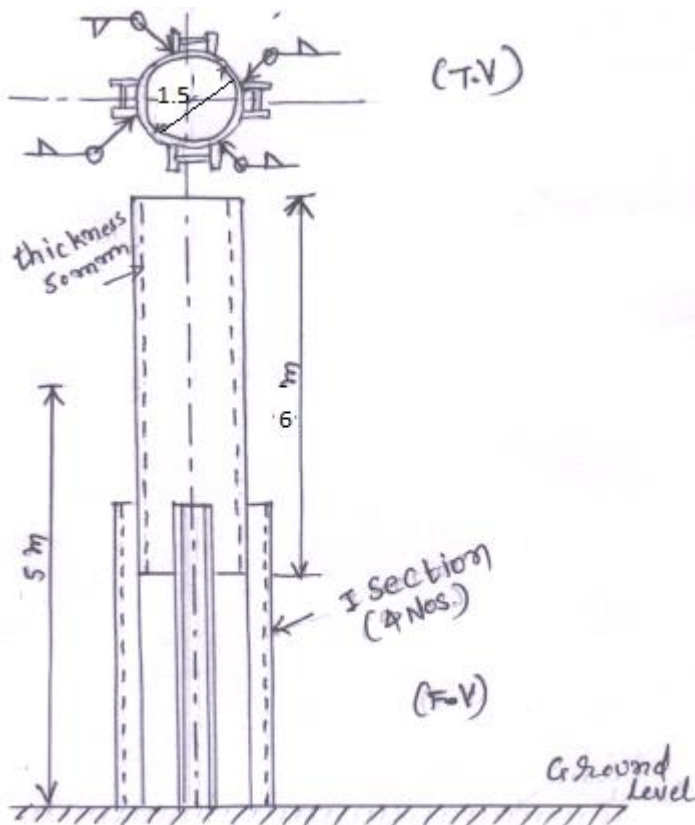
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**SUMMER- 17 EXAMINATION**

**Subject Title: Fabrication Drawing**

Subject Code:

**17328**

6	Attempt any Two	2 x 8
6.a	<p>vertical Tank</p> 	<p>3mark-F.V</p> <p>3mark-T.V</p> <p>2mark-welding symbol</p>



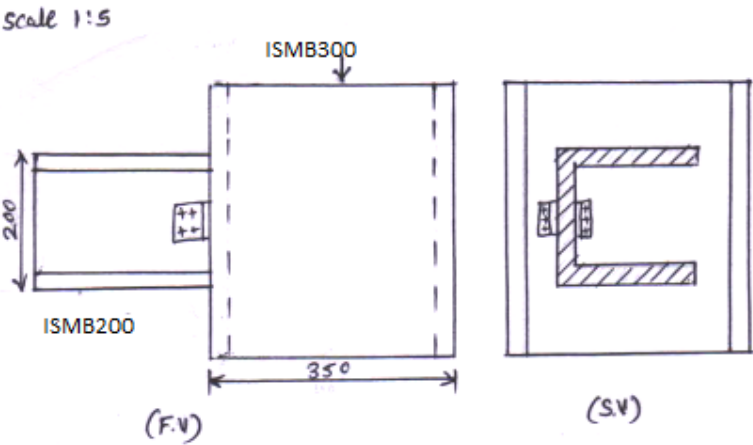
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**SUMMER- 17 EXAMINATION**

**Subject Title: Fabrication Drawing**

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**17328**

<p><b>6.b</b> <b>i</b></p>	<p>Beam ISMB200 is connected on flange of column ISMB 300 by rivetting. scale 1:5</p> 	<p>2mark-F.V</p> <p>2mark-S.V</p>
<p><b>ii</b></p>		<p>2mark-F.V</p> <p>2 mark-S.V</p>



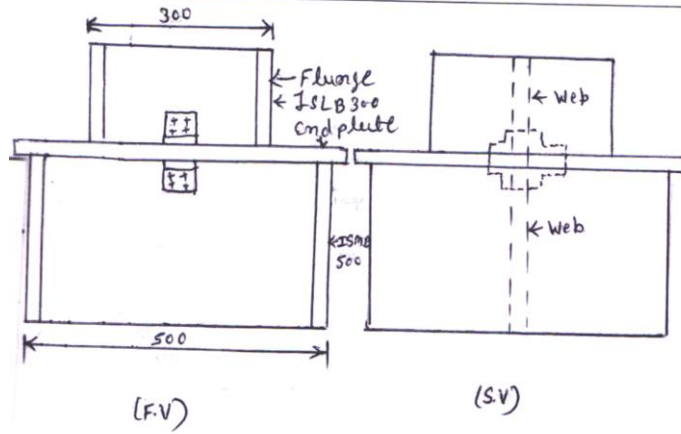
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**SUMMER- 17 EXAMINATION**

**Subject Title: Fabrication Drawing**

Subject Code:

**17328**



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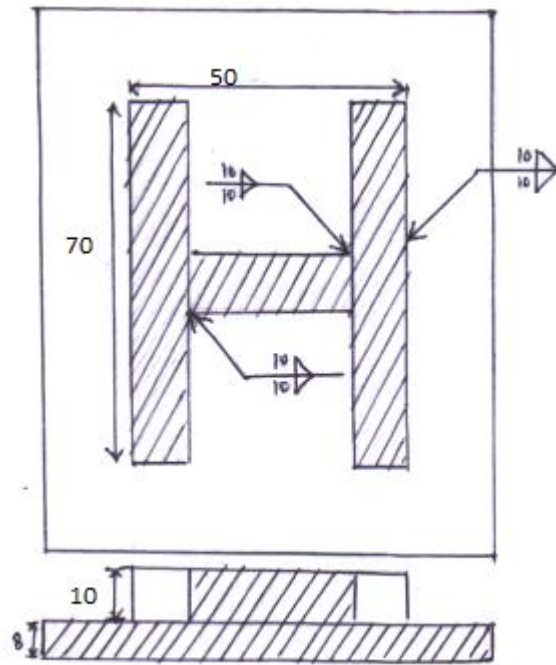
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**Subject Title: Fabrication Drawing**

Subject Code:

**17328**

**6.c**



**Letter H**

4mark-h shape

2mark-welding symbol

2 mark-dimensions