



SUMMER – 14 EXAMINATIONS

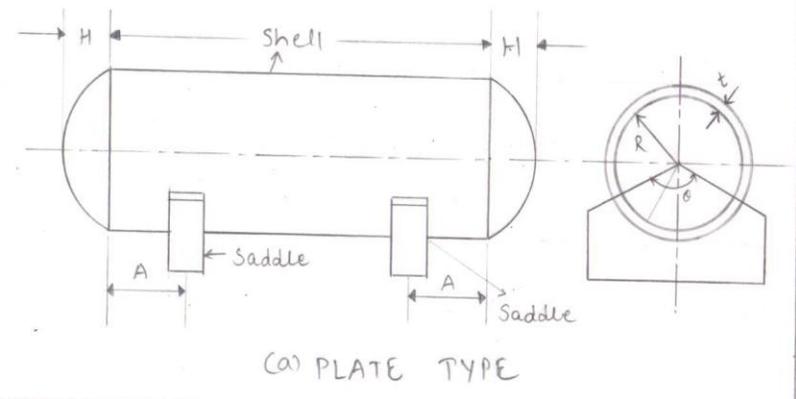
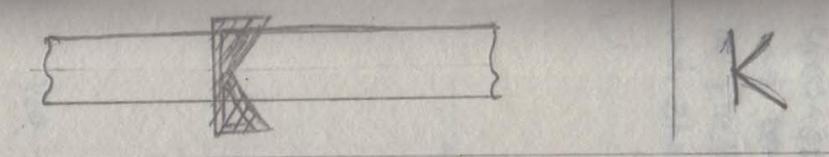
Subject Code: 17328

Model Answer

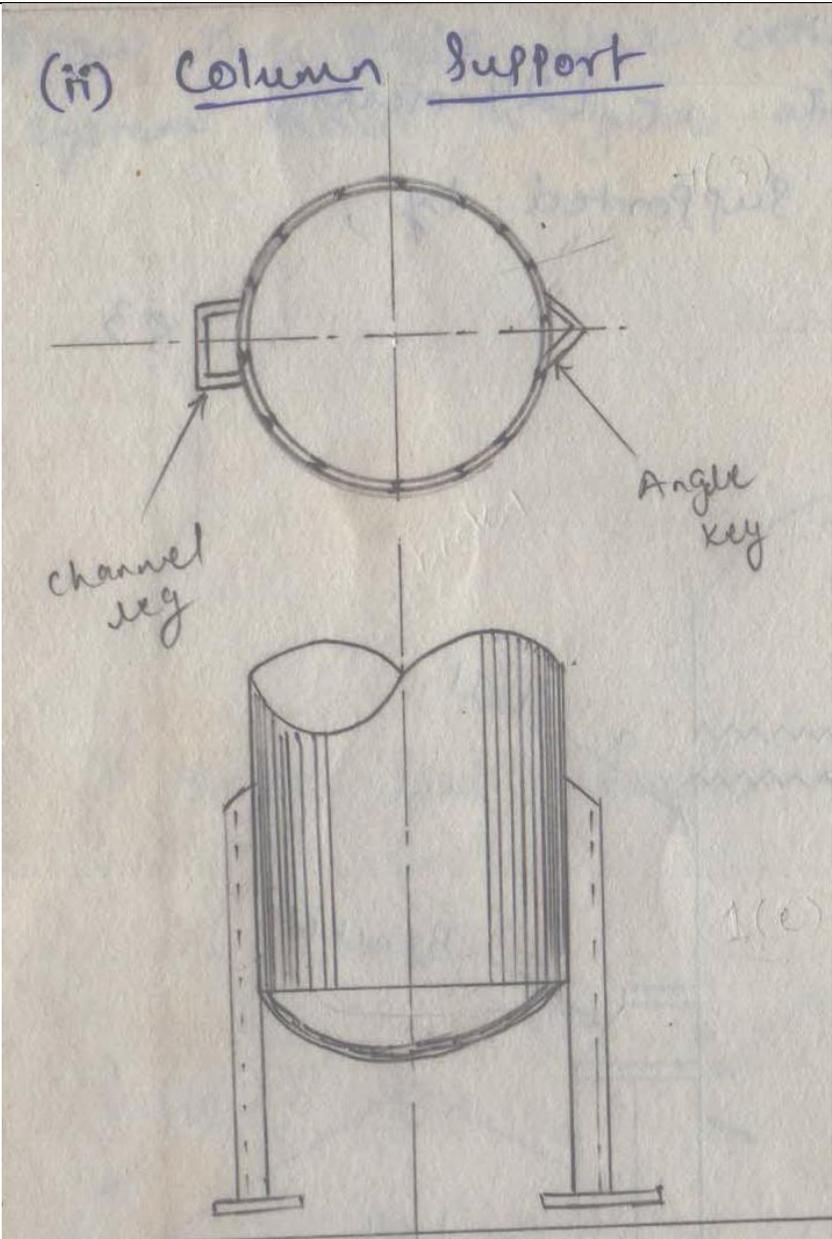
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Important Instructions to examiners:

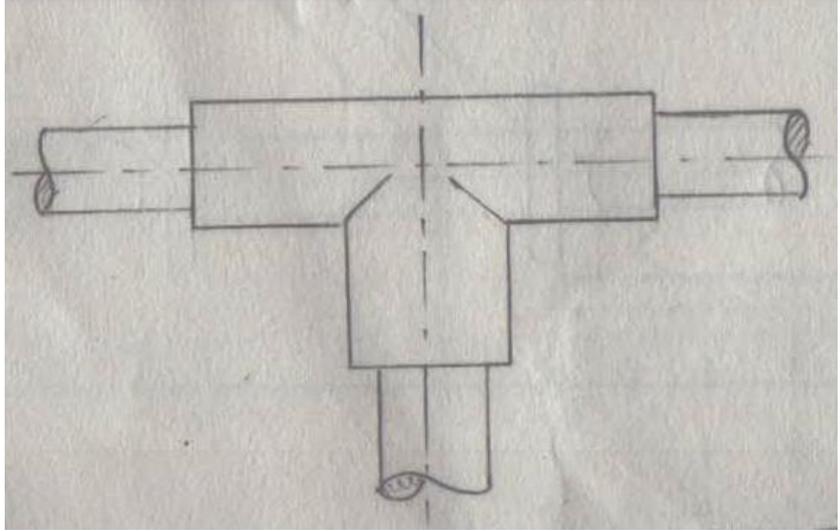
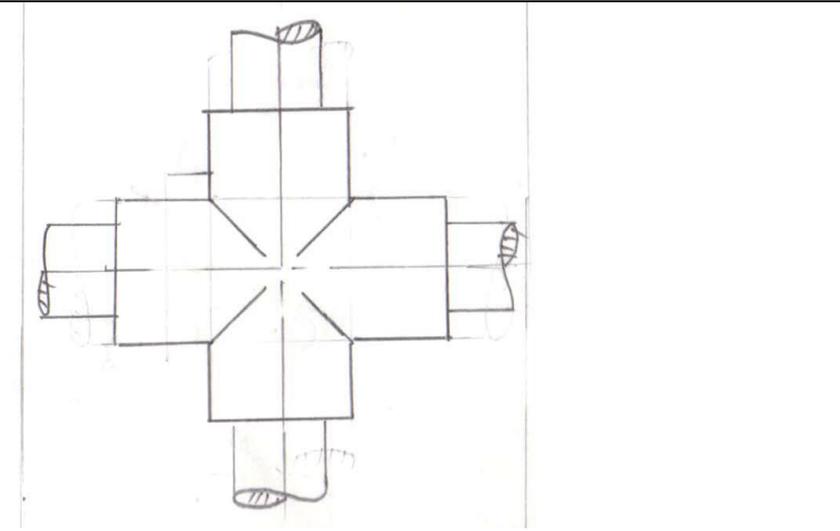
- 1) The answers should be examined by key words and not as word-to-word as given in the model answer scheme.
- 2) The model answer and the answer written by candidate may vary but the examiner may try to assess the understanding level of the candidate.
- 3) The language errors such as grammatical, spelling 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.

Q. NO.	MODEL ANSWER	MARKS	TOTAL MARKS
1.	Attempt any five of the following.	5x4	20
1.a	<p>(i) SADDLE SUPPORTS</p>  <p>(a) PLATE TYPE</p>	<p>2mark-F.V 2mark-S.V</p>	4
1.b (i)	 <p>Double bevel butt joint</p>	2mark	

<p>(ii)</p>		<p>2mark</p>	<p>4</p>
<p>1c.</p>		<p>3mark-T 1mark-Dimension</p>	<p>4</p>

1.d	<p>(ii) <u>Column Support</u></p> 	2mark-T.V 2mark-F.V	4
1.e (i)			

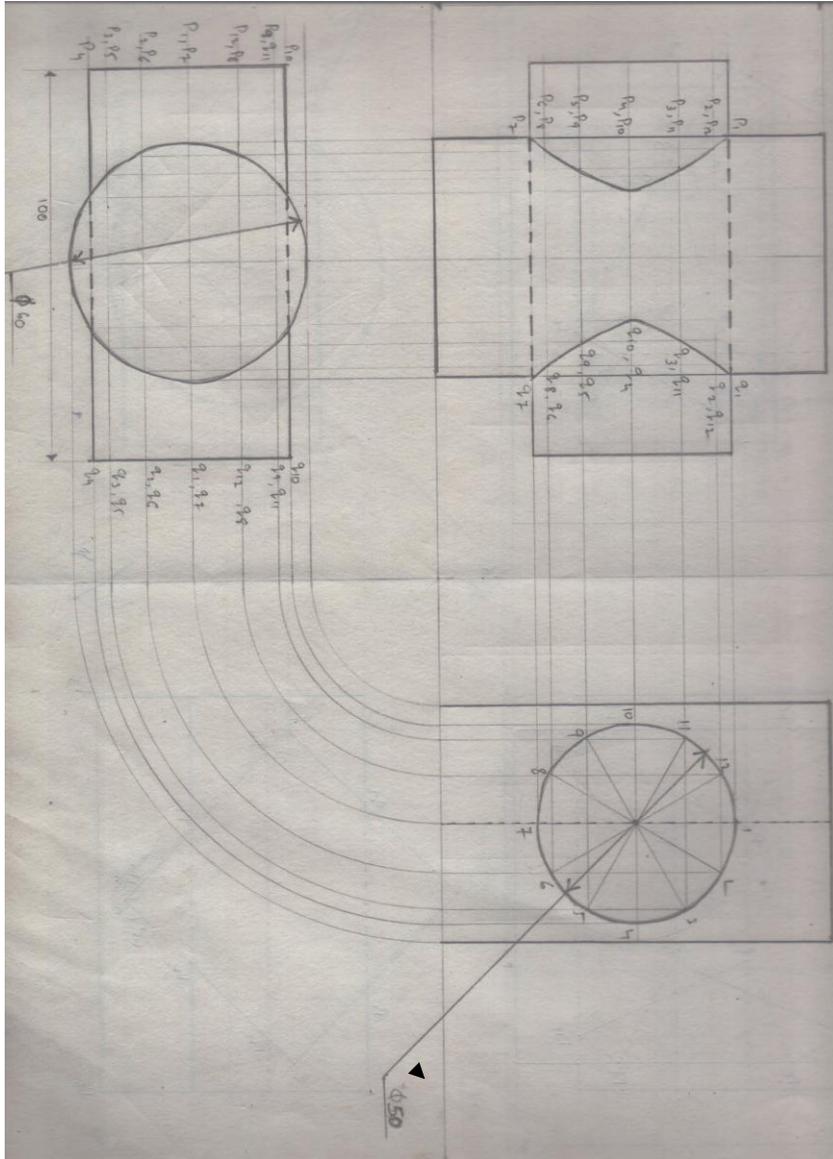


		2mark	
1.e (ii)		2mark	4
	CROSS		

<p>1.f</p>		<p>3mark-SNAP HEAD 1mark-Dimension</p>	<p>4</p>
<p>1.g (i)</p>	<p>Cap</p>	<p>2mark</p>	
<p>(ii)</p>	<p>Union</p>	<p>2mark</p>	<p>4</p>

Q.2	Attempt any TWO of the following.	2X8	16
2.a	<p>Note: It should be Horizontal.</p>	<p>2mark-T.V 2mark-S.V 3mark-FV 1mark-Dimension</p>	8

2.b Note: It should be Horizontal.



2mark-T.V

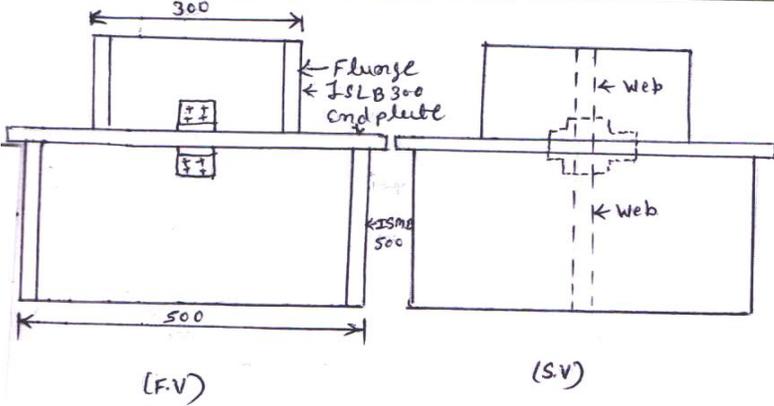
2mark-S.V

3mark-FV

1mark-
Dimension

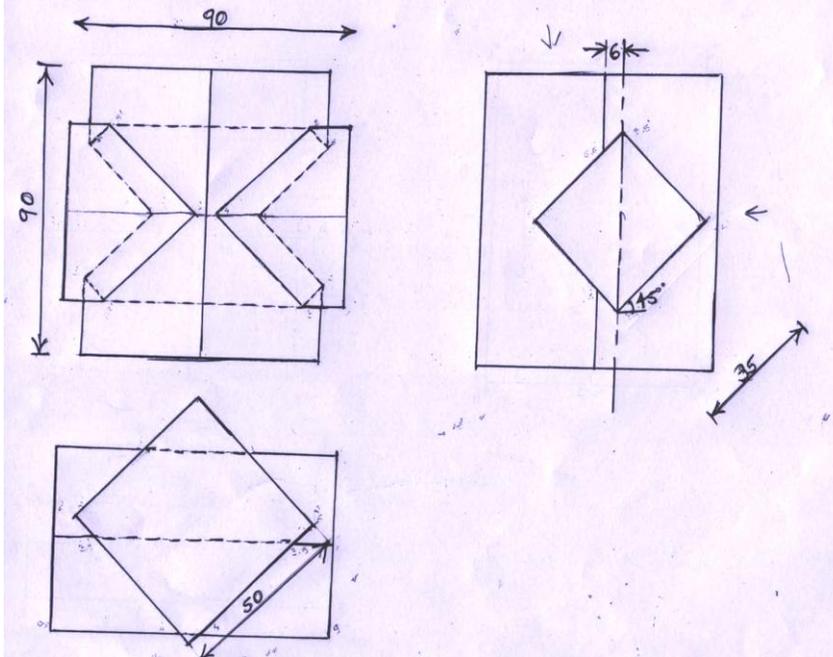
8

<p>2.c</p>	<p>A vertical Tank</p>	<p>2mark-T.V 3mark-F.V 2mark- WELDING SYMBOL 1mark- Dimension</p>	<p>8</p>
<p>Q.3</p>	<p>Attempt any TWO of the following.</p>	<p>2X8</p>	<p>16</p>
<p>3.a (i)</p>		<p>4 mark</p>	

<p>3.a</p> <p>(ii)</p>		<p>4 mark</p>	<p>8</p>
<p>3.b.</p>		<p>4mark-S.V</p> <p>4mark-FV</p>	<p>8</p>



3.C



2mark-T.V

8

2mark-S.V

3mark-FV

1 Mark-
Dimension

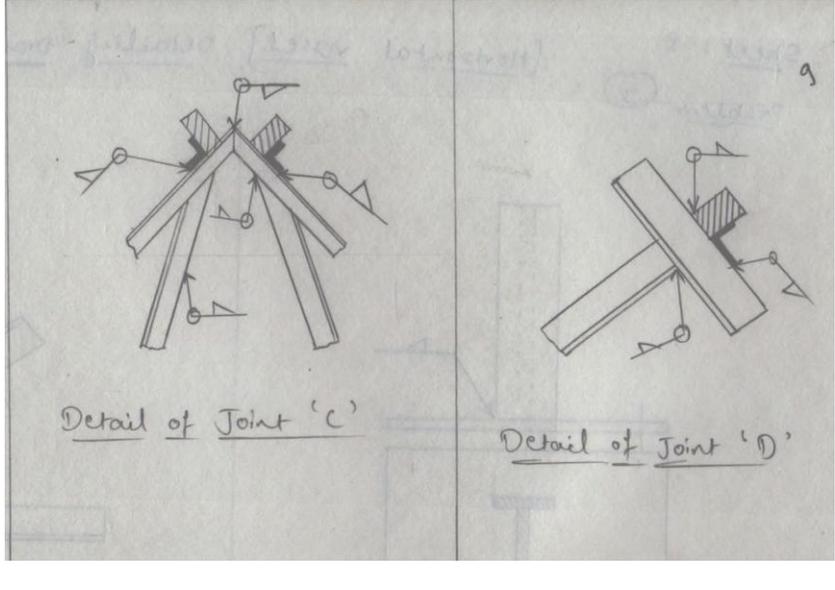
Q.4	Attempt any TWO of the following.	2X8	16
4.a		<p>2mark-T.V 2mark-S.V 3mark-FV 1 Mark- Dimension</p>	8

<p>4.b</p>		<p>4 mark-F.V 2 mark-TV 2 Mark-Dimension</p>	<p>8</p>
<p>4.c</p>		<p>4 mark-FV 4 Mark-parts name</p>	<p>8</p>

Q.5	Attempt any TWO of the following.	2X16	32																														
5a		<p>6 mark-double line view</p> <p>2 Mark-Dimension</p> <p>8 mark-bill of material</p>	16																														
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Item no.</th> <th style="width: 60%;">Description</th> <th style="width: 30%;">Qty (no.)</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Cross Valve</td> <td style="text-align: center;">1</td> </tr> <tr> <td style="text-align: center;">2</td> <td>Check Valve</td> <td style="text-align: center;">1</td> </tr> <tr> <td style="text-align: center;">3</td> <td>Angle Valve</td> <td style="text-align: center;">1</td> </tr> <tr> <td style="text-align: center;">4</td> <td>Globe Valve</td> <td style="text-align: center;">1</td> </tr> <tr> <td style="text-align: center;">5</td> <td>G.I.Pipe</td> <td style="text-align: center;">5.4m (length)</td> </tr> <tr> <td style="text-align: center;">6</td> <td>G.I.Tee</td> <td style="text-align: center;">1</td> </tr> <tr> <td style="text-align: center;">7</td> <td>Elbow</td> <td style="text-align: center;">5</td> </tr> <tr> <td style="text-align: center;">8</td> <td>Plug</td> <td style="text-align: center;">1</td> </tr> <tr> <td style="text-align: center;">9</td> <td>Cross</td> <td style="text-align: center;">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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<p>5.b</p>		<p>7 mark-T.V 7 mark-F.V 2 Mark-Dimension</p>	<p>16</p>
<p>5.c</p>	<p>DETAIL OF JOINT 'A' DETAIL OF JOINT 'B'</p>	<p>4mark-Detail of joint "A" 4mark-Detail of joint "B"</p>	<p>16</p>



	 <p>Detail of Joint 'C'</p> <p>Detail of Joint 'D'</p>	<p>4mark-Detail of joint "C"</p> <p>4mark-Detail of joint "D"</p>	
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