

**EVALUATION SCHEME**  
**For March-2019 and on words Examinations**

STD-X (Level 2)

**Mechanical Technology (91)**

**Scheme of Examination:**

<b>Sr. No.</b>	<b>Method of Assessment</b>	<b>Weightage of Marks</b>	<b>Evaluator</b>
1	Theory Paper (Written)	30 Marks (80 Marks converted 30 Marks)	School / State Board
2	Practical Exam	30 Marks	Certified Assessor/State Board
3	Term Work (Journal)	10 Mark	School Instructor / Trainer
4	Project Work	10 Mark	School Instructor / Trainer
5	Oral / Viva Vocu	10 Mark	School Instructor/ Certified Assessor
6	Direct Observation	10 Mark	School Instructor/ Certified Assessor
	<b>Total Marks</b>	<b>100 Marks</b>	

**1] Unit wise Marks Distribution of Written test paper:**

Paper Time: 3 hours

Marks: -80

<b>Sr. No</b>	<b>Unit (Contains)</b>	<b>Mark</b>	<b>Mark With option</b>
1	Engineering Drawing-2	20	40
2	Joining Process-2	20	26
3	Sheet Metal Work	20	24
4	Material Removing process-1	20	30
	<b>Total</b>	<b>80</b>	<b>120</b>

## 2] Practical Exam:

• <b>Practical Time</b>	• <b>3 Hours</b>
• Practical Subject	• Joining Process-2/ Sheet Metal Work/ Material Removing process-1
• Any one practical should be given from the text book by lot system to each group / individual.	
• <b>Total Marks of Practical</b>	• <b>30 Marks</b>

## 3] Term Work (Journal):

• Term Work (Journal)	• Journal maintained by the students during the academic year.
• Term Work (Journal) Subject	• Mechanical Technology
• <b>Total Marks</b>	• <b>10 Marks</b>

## 4] Project Work:

<ul style="list-style-type: none"><li>• The project work given in syllabus is only for guideline.</li><li>• Candidate, with approval from the Instructor / Trainer, may choose any one project and prepare it.</li><li>• He has full liberty to prepare any useful project other than the mentioned projects.</li><li>• He may write a visit report about any nearest Industry and their product.</li><li>• One project should be compulsory for each student or a group of maximum 4 students.</li></ul>	
• <b>Total Marks</b>	• <b>10 Marks</b>

<b>5] Oral/Viva vocu:</b>	<b>10 Marks</b>
<b>6] Direct Observation:</b>	<b>10 Marks</b>

Written Test Paper - STD-X (Level 2)

## **Mechanical Technology (91)**

Question Wise Distribution of Marks.

<b>Sr. No</b>	<b>Types of Questions</b>	<b>Marks</b>	<b>Marks with option</b>
1	Objectives (1 Mark)	20	20
2	Short Answer Type (3 Marks)	12	21
3	Long Answer Type (4 Marks)	12	20
4	Long Answer Type (5 Marks)	10	15
5	Long Answer Type (8 Marks)	16	24
6	Long Answer Type (10 Marks)	10	20
	<b>Total Marks</b>	<b>80</b>	<b>120</b>

**Pattern of Question Paper**  
**STD- X (Level-2)**  
**Mechanical Technology (91)**

Time: 3 hrs.

Marks: 80

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**Notes:**

1. All questions are compulsory.
2. Draw diagrams wherever necessary.
3. Drawing supplement should be attached to main answer book.

Q. No. 1.A) Select the correct alternative and rewrite the sentence 5

1. ....  
a) ..... b) ..... c) .....
2. ....  
a) ..... b) ..... c) .....
3. ....  
a) ..... b) ..... c) .....
4. ....  
a) ..... b) ..... c) .....
5. ....  
a) ..... b) ..... c) .....

B) Match the following pairs. 5

- | Column-A | Column-B |
|----------|----------|
| 1.       | a)       |
| 2.       | b)       |
| 3.       | c)       |
| 4.       | d)       |
| 5.       | e)       |

C) State the following statement is true or false. 5

- 1.
- 2.
- 3.
- 4.
- 5.

D) Answer the following questions in ONE sentence. 5

- 1.
- 2.
- 3.
- 4.
- 5.

- Q. No. 2) Answer the following questions in short. (Any four) 12
- 1.
  - 2.
  - 3.
  - 4.
  - 5.
  - 6.
  - 7.
- Q. No. 3) Answer the following questions in short. (Any Three) 12
- 1.
  - 2.
  - 3.
  - 4.
  - 5.
- Q. No. 4) Answer the following questions in brief. (Any Two) 10
- 1.
  - 2.
  - 3.
  - 4.
  - 5.
- Q. No. 5) Answer the following questions in brief. (Any Two) 16
- 1.
  - 2.
  - 3.
- Q. No. 6) Answer the following questions in brief. (Any One) 10
- 1.
  - 2.

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**Question Paper Pattern for Theory Paper  
STD-X  
Mechanical Technology (91)**

Time: 3 hrs.

Marks: 80

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- Notes:- 1) All Questions are compulsory.  
2) Draw diagram wherever necessary.  
3) Drawing supplement should be attached to main answer book

- Q. No. 1.A) Select the correct alternative and rewrite the sentence. 5
1. Joining Process-2  
a) ..... b) ..... c) .....
  2. Joining Process-2  
a) ..... b) ..... c) .....
  3. Sheet Metal Work  
a) ..... b) ..... c) .....
  4. Material Removing Process-1  
a) ..... b) ..... c) .....
  5. Material Removing Process-1  
a) ..... b) ..... c) .....
- B) Match the following pairs. 5
- |                                |    |
|--------------------------------|----|
| 1. Sheet Metal Work            | a) |
| 2. Material Removing Process-1 | b) |
| 3. Joining Process-2           | c) |
| 4. Joining Process-2           | d) |
| 5. Sheet Metal Work            | e) |
- C) State the following statement is true or false. 5
1. Joining Process-2
  2. Sheet Metal Work
  3. Joining Process-2
  4. Sheet Metal Work
  5. Material Removing Process-1
- D) Answer the following questions in ONE sentence. 5
1. Joining Process-2
  2. Sheet Metal Work
  3. Material Removing Process-1
  4. Material Removing Process-1
  5. Material Removing Process-1
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- Q. No. 2) Attempt any four of the following. 12
1. Joining Process-2
  2. Material Removing Process-
  3. Sheet Metal Work
  4. Sheet Metal Work
  5. Material Removing Process-1
  6. Engineering Drawing-2 (Auto CAD )
  7. Engineering Drawing-2 (Auto CAD )
- Q. No. 3) Attempt any three of the following. 12
1. Joining Process-2
  2. Joining Process-2
  3. Sheet Metal Work
  4. Material Removing Process-1
  5. Engineering Drawing-2 (Auto CAD )
- Q. No. 4) Attempt any two of the following. 10
1. Material Removing Process-1
  2. Engineering Drawing-2 (Blue Print Reading)
  3. Engineering Drawing-2 (Auto CAD )
- Q. No. 5) Attempt any two of the following. 16
1. Joining Process-2
  2. Sheet Metal Work
  3. Material Removing Process-1
- Q. No. 6) Attempt any one of the following. 10
1. Engineering Drawing-2 (Orthographic View without Curve)
  2. Engineering Drawing-2 (Isometric View without curve)

**STD-X: Level 2**  
**Blue Print of Unit wise Marks Distribution**

**Mechanical Technology (91)**

SR.NO	Units	Knowledge						Understanding						Application						Total Marks	Total Marks with option
		OB		SA		LA		OB		SA		LA		OB		SA		LA			
		Marks	Questions	Marks	Questions	Marks	Questions	Marks	Questions	Marks	Questions	Marks	Questions	Marks	Questions	Marks	Questions	Marks	Questions		
1	Engg. Drawing-2			3	2	4	1					5	1					10	2	20	40
2	Joining Process-2	1	3	3	1			1	2			4	2	1	2			8	1	20	26
3	Sheet Metal Work	1	2					1	2	3	2	4	1	1	2			8	1	20	24
4	Material removing Process-1	1	2	3	1	5	1	1	3			4	1	1	2	3	1	8	1	20	30
						4	1					5	2					8	3		
		1	7	3	4	5	1	1	7	3	2	4	4	1	6	3	1	10	2	80	120

**Note :**

O.B Objective

S.A.- Short answer type (3 marks)

L.A.- Long answer type (4 marks & 5 marks & 8 Marks & 10 Marks)