

## EVALUATION SCHEME

STD-X

### Power- Consumer Energy Meter Technician (95)

#### Scheme of Examination:

Sr. No.	Method of Assessment	Weightage of Marks	Evaluator
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

Sr. No	Unit (Contains)	Mark	Mark With option
1	Communication Skills	05	08
2	Self Management Skills	05	09
3	Information and Communication Technology skills	04	04
4	Entrepreneurial Skills	03	06
5	Green Skills	03	03
6	Installation of the low voltage single and three phases meters	11	17
7	Meter Reading and Post Installation Procedure	18	27
8	Bus bar and Distribution box Connected to the Meter	09	13
9	Safety Precautions for Electrical work	22	33
	<b>Total</b>	<b>80</b>	<b>120</b>

## 2] Practical Exam:

<ul style="list-style-type: none"><li>• <b>Practical Time</b></li></ul>	<ul style="list-style-type: none"><li>• <b>3 Hours</b></li></ul>
<ul style="list-style-type: none"><li>• Practical Subject</li></ul>	<ul style="list-style-type: none"><li>• As per Power- Consumer Energy Meter Technician practical book</li></ul>
<ul style="list-style-type: none"><li>• Any one practical should be given from the text book by lot system to each group / individual.</li></ul>	
<ul style="list-style-type: none"><li>• <b>Total Marks of Practical</b></li></ul>	<ul style="list-style-type: none"><li>• <b>30 Marks</b></li></ul>

## 3] Term Work (Journal):

<ul style="list-style-type: none"><li>• Term Work (Journal)</li></ul>	<ul style="list-style-type: none"><li>• Journal maintained by the students during the academic year.</li></ul>
<ul style="list-style-type: none"><li>• Term Work (Journal) Subject</li></ul>	<ul style="list-style-type: none"><li>• Power- Consumer Energy Meter Technician</li></ul>
<ul style="list-style-type: none"><li>• <b>Total Marks</b></li></ul>	<ul style="list-style-type: none"><li>• <b>10 Marks</b></li></ul>

## 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>	
<ul style="list-style-type: none"><li>• <b>Total Marks</b></li></ul>	<ul style="list-style-type: none"><li>• <b>10 Marks</b></li></ul>

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

## Written Test Paper - STD-X

### Power- Consumer Energy Meter Technician (95)

#### 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)	24	36
3	Long Answer Type (4 Marks)	24	40
4	Long Answer Type (6 Marks)	12	24
	<b>Total Marks</b>	<b>80</b>	<b>120</b>

# Pattern of Question Paper STD- X

## Power- Consumer Energy Meter Technician (95)

Time: 3 hrs.

Marks: 80

- Notes:**
1. All questions are compulsory.
  2. Draw diagrams wherever necessary.

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

1. Green Skills

- a) ..... b) ..... c) ..... d).....

2. Information Communication Skills

- a) ..... b) ..... c) ..... d).....

3. Communication Skills

- a) ..... b) ..... c) ..... d).....

4. Green Skills

- a) ..... b) ..... c) ..... d).....

5. Installation of Low Voltage Single and Three Phase Meter

- a) ..... b) ..... c) ..... d).....

B) Match the following pairs. 5

Column 'A'

Column 'B'

1 Installation of Low Voltage Single  
and Three Phase Meter

a)

2 Meter Reading and Post Installation Procedure

b)

3 Safety Precautions for Electrical Work

c)

4 Bus Bar and Distribution box connected to meter

d)

5 Installation of Low Voltage Single

And Three Phase Meter

e)

C) State the following statement is true or false and rewrite the  
Correct statements. 5

1 Green Skills

2 Installation of Low Voltage Single and Three Phase Meter

3 Bus Bar and Distribution box connected to meter

4 Safety Precautions for Electrical Work

5 Bus Bar and Distribution box connected to meter

D) Answer the following questions in ONE sentence. 5

1 Meter Reading and Post Installation Procedure

2 Installation of Low Voltage Single and Three Phase Meter

3 Meter Reading and Post Installation Procedure

- 4 Bus Bar and Distribution box connected to meter
- 5 Safety Precautions for Electrical Work

- Q. No. 2) Answer the following questions in short. (Any four) 12
1. Bus Bar and Distribution box connected to meter
  2. Self Management
  3. Bus Bar and Distribution box connected to meter
  4. Meter Reading and Post Installation Procedure
  5. Bus Bar and Distribution box connected to meter
  6. Installation of Low Voltage Single and Three Phase Meter
- Q. No. 3) Answer the following questions in short. (Any four) 12
1. Installation of Low Voltage Single and Three Phase Meter
  2. Communication Skills
  3. Information Communication Technology Skills
  4. Installation of Low Voltage Single and Three Phase Meter
  5. Meter Reading and Post Installation Procedure
  6. Bus Bar and Distribution box connected to meter
- Q. No. 4) Answer the following questions in brief. (Any three) 12
1. Information Communication Technology Skills
  2. Entrepreneurial Skills
  3. Meter Reading and Post Installation Procedure
  4. Safety Precautions for Electrical Work
  5. Installation of Low Voltage Single and Three Phase Meter
- Q. No. 5) Answer the following questions in brief. (Any three) 12
1. Meter Reading and Post Installation Procedure
  2. Entrepreneurial Skills
  3. Installation of Low Voltage Single and Three Phase Meter
  4. Meter Reading and Post Installation Procedure
  5. Communication Skills
- Q. No. 6) Answer the following questions in brief. (Any two) 12
1. Installation of Low Voltage Single and Three Phase Meter
  2. Bus Bar and Distribution box connected to meter
  3. Safety Precautions for Electrical Work
  4. Bus Bar and Distribution box connected to meter

## STD-X

### Blue Print of Unit wise Marks Distribution

#### Power- Consumer Energy Meter Technician (95)

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	Communication Skills							1	1			4	1			3	1			05	08
2	Self Management Skills									3	1									03	03
3	Information and Communication Technology skills					4	1	1	1							3	1			05	08
4	Entrepreneurial Skills					4	1											4	1	04	08
5	Green Skills	1	1					1	2											03	03
6	Installation of the low voltage single and three phases meters	1	2					1	2	3	2	4	1	1	1	3	1	4	1	19	28
7	Meter Reading and Post Installation Procedure	1	1			4	1	1	1	3	1	4	1	1	1	3	1	4	1	13	21
8	Bus bar and Distribution box Connected to the Meter	1	1	3	1			1	1	3	1	6	1	1	2	3	2	6	1	19	28
9	Safety Precautions for Electrical work					4	1	1	1					1	2			6	1	09	13
		1	5	3	1	4	4	1	9	3	5	4	3	1	6	3	6	4	3	80	120

**Note:** O.B – Objective.

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

L.A.- Long answer type (4 marks &6 marks)