



BOARD OF SCHOOL EDUCATION HARYANA

Syllabus and Chapter wise division of Marks (2023-24)

Class- 9th Subject: Plumbing (NSQF) Code:PLM 985

General Instructions:

1. There will be an Annual Examination based on the entire syllabus.
2. The Annual Examination will be of 60/2=30 marks, Practical Examination will be of 50 marks and 20 marks weightage shall be for Internal Assessment.
3. . For External Assessment (Practical) Examination:
 - (i) External Assessment- Hand on Skill of 25 (Written 10, Practical 15).
 - (ii) External Assessment- Portfolio of 10.
 - (iii) External Assessment- Viva of 15.

4. For Internal Assessment:

There will be Periodic Assessment that would include:

- i) For 6 marks- Three SAT exams will be conducted and will have a weightage of 06 marks towards the final Internal Assessment.
- ii) For 2 marks- One half yearly exam will be conducted and will have a weightage of 02 marks towards the final Internal Assessment.
- iii) For 2 marks- Subject teacher will assess and give maximum 02 marks for CRP (Class room participation).
- iv) For 5 marks- A project work to be done by students and will have a weightage of 05 marks towards the final Internal Assessment.
- v) For 5 marks- Attendance of student will be awarded 05 marks as:

75% to 80%	- 01 Marks
Above 80% to 85%	- 02 Marks
Above 85% to 90%	- 03 Marks
Above 90% to 95%	- 04 Marks
Above 95% to -	- 05 Marks



Course Structure (2023-24)

Class- 9th

Subject: Plumbing

Code:PLM 985

Unit. No.	Unit Name	Unit Marks
	Vocational Skill	
1	Unit 1 : Introduction to Plumbing	05
2	Unit 2 : Tools for Plumbing	10
3	Unit 3 : Plumbing Material and Pipes	10
4	Unit 4 : Measurements and Symbols used in Plumbing	10
5	Unit 5 : Pipe Fittings, Joints and Valves	15
	Employability Skill	
1.	Unit 1: Communication Skill (Session 1 to 10).	2
2.	Unit 2: Self- Management Skill (Session 1 to 6).	2
3.	Unit 3: Information and Communication Technology Skill. (Session 1 to 12).	2
4.	Unit 4: Entrepreneurship Skill (Session 1 to 7).	2
5.	Unit 5: Green Skill (Session 1 to 3).	2
Total		60/2=30
Practical Examination		50
Internal Assessment		20
Grand Total		100



Course content

Plumbing Skill

Unit 1 : Introduction to Plumbing

Unit 2 : Tools for Plumbing

Unit 3 : Plumbing Material and pipes

Unit 4 : Measurements and Symbols used in Plumbing

Unit 5 : Pipe Fittings, Joints and Valves

Employability Skill –

Communication skill,

Self-management skill,

Information and Communication Technology skill (ICT),

Entrepreneurship Skill,

Green skills .





Monthwise Syllabus Teaching Plan (2023-24)

Class- 9th

Subject: Plumbing

Code: PLM 986

Month	Subject- content	Teaching Periods	Revision Periods	Practical Work
April	Plumbing – Introduction of Plumbing About Plumbing Industry Scope of Plumbing Employability Skill- -----	16	2	3



May	Plumbing – Unit 1 : Introduction to Plumbing Employability Skill – Unit-01 Session 01- Introduction to communication Session 02-Verbal Communication Session 03- Non-Verbal Communication Session 04- Writing Skills Parts of speech	16	2	3
June	Home Work – Make all Practical of Unit .1 All Session Revision ES Session 1 to 4			
July	Plumbing – Unit 2 : Tools for Plumbing Employability Skill – Unit-01 Session 05- Writing Skills Sentences Session 06-Pronunciation Basics Session 07-Greeting and Introduction Session 08-Talking about Self Session 09-Asking Questions-I Session 10- Asking Question-II	12	06	07



August	Plumbing – Unit 3 : Plumbing Material and Pipes Employability Skill – Unit 02- Session 01-Introduction to Self-Management Session 02- Strength and Weakness Analysis Session 03- Self-Confidence Session 04-Positive Thinking Session 05-Personal Hygiene Session 06- Grooming	16	04	04
September	Revision for Half-Yearly Exam Employability Skill – Unit-03 Session 01- Introduction to ICT Session 02-ICT Tools- Smartphones and Tablets-I Session -03- Smartphones and Tablets-II Session 04-Parts of Computer Pheripherals Half-Yearly Exam	14	06	03
October	Plumbing – Unit 4 : Measurements and Symbols used in Plumbing Employability Skill – Unit-03 Session 05-Basic Computer operations Session 06-Performing Basic File Operations Session 07-Communication and Networking-Basic of Internet Session 08-Communication and Networking-Internet Browsing	12	02	06



November	Employability Skill – Unit-03- Session 09-Communication and Networking Introduction to E- mail Session 10- Creating E-mail account Session 11-Writing of an E-mail Session 12-Receiving and Replying to emails	10	05	07
December	Plumbing – Unit 5 : Pipe Fittings, Joints and Valves Employability Skill – Unit 04- Session 01- What is Entrepreneurship Session 02- Role of Entrepreneurship Session 03- Qualities of a successful Entrepreneur	15	03	06
January	Employability Skill – Unit-04- Session 04-Distinguishing Characteristics of Entrepreneurship and Wage Employment Session 05-Types of Business Activities Session 06-Product,Service and Hybrid Businesses Session 07-Entrepreneurship Development Process Employability Skill – Unit-05- Session 01-Society and Environment Session 02- Conserving and Natural Resources Session 03- Sustainable Development and Green Economy	10		02
February	Revision		10	
March	Annual Examination			

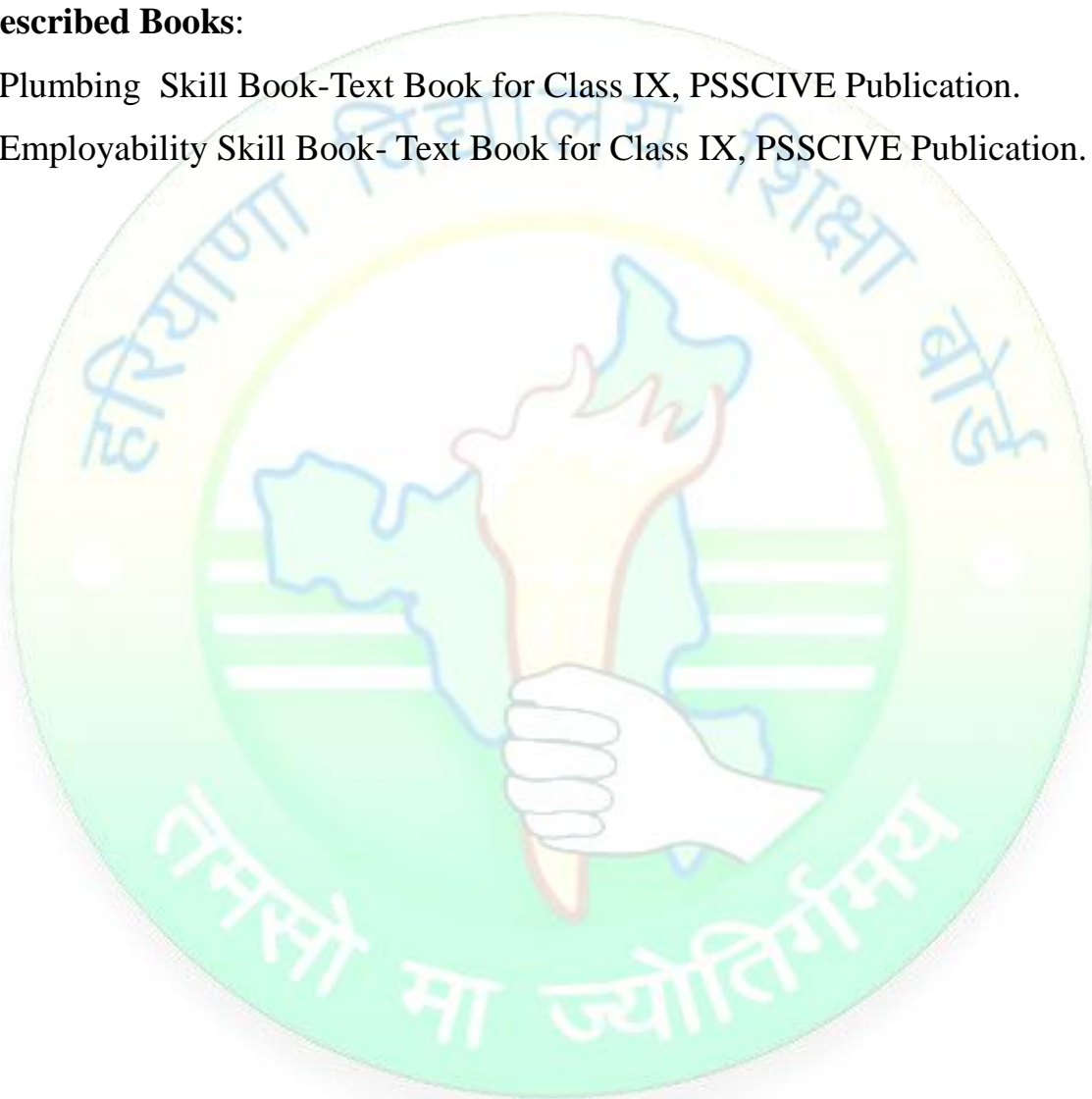


Note: Skill Subject Teachers are advised to direct the students to prepare Practical Notebook of the Terminology/Definitional Words/ Glossary used in the Chapters for Enhancement of Vocabulary or Clarity of the Concept.

- The PSSCIVE Skill Textbook Present Information in Boxes the book. These help Students to get Conceptual Clarity. However, the Information in these Boxes would not be Assessed in the Year- End Examination.

Prescribed Books:

1. Plumbing Skill Book-Text Book for Class IX, PSSCIVE Publication.
2. Employability Skill Book- Text Book for Class IX, PSSCIVE Publication.





Revised PLM Question Paper (2023-24)

Class- 9th

Subject: Plumbing (NSQF)

Code: PLM 985

Timing 2 Hours 30 Minutes

Competencies	Total
Knowledge	40%
Understanding	30%
Application	20%
Skill	10%
	100%

Type of Question	Marks	Number	Description	Total Marks
Objective Questions	1	15	6 Multiple Choice Questions, 3 Fill in the Blanks Questions, 3 One Word Answer Type Questions, 3 Assertion-Reason Question true/false	15
Very Short Answer Type Question	2	6	Internal choice will be given in any 2 questions	12
Short Answer Type Question	3	6	Internal choice will be given in any 2 questions	18
Essay Answer Type Question	5	3	Internal options will be given in all the questions	15
Total		30		60