



# **BOARD OF SCHOOL EDUCATION HARYANA**

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

**Class- 9<sup>th</sup> Subject: Construction (NSQF) Code: CON 987**

### **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- 9<sup>th</sup>**

**Subject: Construction**

**Code: CON 987**

| Unit. No.             | Unit Name   | Unit Marks |
|-----------------------|---|------------|
|                       | <b>Vocational Skill</b>   |            |
| 1                     | Unit 1: Introduction to the Building Structure                                | 02         |
| 2                     | Unit 2: Building Material   | 10         |
| 3                     | Unit 3: Units of Measurements used in Civil Works                             | 06         |
| 4                     | Unit 4: Handling of Basic Masonry Tools                                       | 06         |
| 5                     | Unit 5: Marking of Line   | 06         |
| 6                     | Unit 6: Building Drawing  | 12         |
| 7                     | Unit 7: Foundation Works  | 08         |
|                       | <b>Employability Skill</b>  |            |
| 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.<br>(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         |
| <b>Grand Total</b>    |   | <b>100</b> |



## **Unit 1: Introduction to the Building Structure**

## **Unit 2: Building Material**

Session 1: Stones

Session 2: Clay Products (Bricks, Tiles and Terracotta)

Session 3: Cement and Lime

Session 4: Ferrous and Non-ferrous Metals

Session 5: Mortar and Concrete

Session 6: Building Finishing Material

Session 7: Miscellaneous Materials

## **Unit 3: Units of Measurements used in Civil Works**

## **Unit 4: Handling of Basic Masonry Tools**

## **Unit 5: Marking of Line**

## **Unit 6: Building Drawing**

Session 1: Basic Geometric Constructions

Session 2: Tools of Engineering Drawing

Session 3: Building and Building Drawing

## **Unit 7: Foundation Works**

Session 1: Excavation

Session 2: Construct Spread Footing Foundation

## **Employability Skill –**

Communication skill,

Self-management skill,

Information and Communication Technology skill (ICT),

Entrepreneurship Skill,

Green skills .



## Monthwise Syllabus Teaching Plan (2023-24)

Class- 9<sup>th</sup>

Subject: Construction

Code: CON 987

| Month | Subject- content  | Teaching Periods | Revision Periods | Practical Work |
|-------|---|------------------|------------------|----------------|
| April | <b>Construction –</b><br>Introduction of Construction<br><br>About Construction Industry<br><br>Scope of Construction<br><br>Employability Skill- ----- | 16               | 2                | 3              |





|      |  |    |   |   |
|------|--|----|---|---|
| May  | Construction –<br>Unit 1: Introduction to the<br>Building Structure<br><br>Employability Skill –<br>Unit-01<br>Session 01- Introduction to<br>communication<br>Session 02-Verbal<br>Communication<br>Session 03- Non-Verbal<br>Communication Session 04-<br>Writing Skills Parts of speech | 16 | 2 | 3 |
| June | Home Work – Make all Practical of Unit .1 All Session<br>Revision ES Session 1 to 4  |    |   |   |



|        |  |    |    |    |
|--------|--|----|----|----|
| July   | <p>Construction –</p> <p><b>Unit 2: Building Material</b></p> <p>Session 1: Stones</p> <p>Session 2: Clay Products (Bricks, Tiles and Terracotta)</p> <p>Session 3: Cement and Lime</p> <p>Session 4: Ferrous and Non-ferrous Metals</p> <p>Session 5: Mortar and Concrete</p> <p>Session 6: Building Finishing Material</p> <p>Session 7: Miscellaneous Materials</p> <p>Employability Skill –</p> <p>Unit-01 Session 05- Writing Skills Sentences</p> <p>Session 06- Pronunciation Basics</p> <p>Session 07- Greeting and Introduction</p> <p>Session 08- Talking about Self</p> <p>Session 09- Asking Questions-I</p> <p>Session 10- Asking Question-II</p> | 12 | 06 | 07 |
| August | <p>Construction –</p> <p>Unit 3: Units of Measurements used in Civil Works</p> <p>Employability Skill –</p> <p>Unit 02- Session 01- Introduction to Self-Management</p> <p>Session 02- Strength and Weakness Analysis</p> <p>Session 03- Self-Confidence</p> <p>Session 04- Positive Thinking</p> <p>Session 05- Personal Hygiene</p> <p>Session 06- Grooming</p>  | 16 | 04 | 04 |



|           |   |    |    |    |
|-----------|---|----|----|----|
| September | <p>Revision for Half-Yearly Exam</p> <p>Construction –</p> <p>Unit 4: Handling of Basic Masonry Tools .</p> <p>Employability Skill –</p> <p>Unit-03 Session 01- Introduction to ICT</p> <p>Session 02-ICT Tools-Smartphones and Tablets-I</p> <p>Session -03- Smartphones and Tablets-II</p> <p>Session 04-Parts of Computer Pheripherals</p> <p>Half-Yearly Exam</p> | 14 | 06 | 03 |
| October   | <p>Construction –</p> <p>Unit 5: Marking of Line</p> <p>Employability Skill –</p> <p>Unit-03 Session 05-Basic Computer operations</p> <p>Session 06-Performing Basic File Operations</p> <p>Session 07-Communication and Networking-Basic of Internet</p> <p>Session 08-Communication and Networking-Internet Browsing</p>  | 12 | 02 | 06 |



|          |   |    |    |    |
|----------|---|----|----|----|
| November | <p>Construction</p> <p><b>Unit 6: Building Drawing</b></p> <p>Session 1: Basic Geometric Constructions</p> <p>Session 2: Tools of Engineering Drawing</p> <p>Session 3: Building and Building Drawing</p><br><p>Employability Skill –</p> <p>Unit-03-</p> <p>Session 09-Communication and Networking Introduction to E-mail Session 10- Creating E-mail account</p> <p>Session 11-Writing of an E-mail</p> <p>Session 12-Receiving and Replying to emails</p> | 10 | 05 | 07 |
| December | <p>Construction –</p> <p><b>Unit 7: Foundation Works</b></p> <p>Session 1: Excavation</p> <p>Session 2: Construct Spread Footing Foundation</p> <p>Employability Skill –</p> <p>Unit 04- Session 01- What is Entrepreneurship</p> <p>Session 02- Role of Entrepreneurship Session 03- Qualities of a successful Entrepreneur</p>  | 15 | 03 | 06 |





|          |   |    |    |    |
|----------|---|----|----|----|
| January  | Employability Skill –<br>Unit-04-<br>Session 04-Distinguishing<br>Characteristics of<br>Entrepreneurship and Wage<br>Employment<br>Session 05-Types of Business<br>Activities<br>Session 06-Product,Service and<br>Hybrid Businesses<br>Session 07-Entrepreneurship<br>Development Process<br>Employability Skill –<br>Unit-05- Session 01-Society and<br>Environment Session 02-<br>Conserving and Natural<br>Resources<br>Session 03- Sustainable<br>Development and Green<br>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. Construction Skill Book-Text Book for Class IX, PSSCIVE Publication.
2. Employability Skill Book- Text Book for Class IX, PSSCIVE Publication.



## Question Paper Design(2023-24)

Class- 9<sup>th</sup>

Subject: Construction

Code: CON 987

| 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          |