BOARD OF SCHOOL EDUCATION HARYANA

Syllabus and Unit Wise Division of Marks (2025-26)

Class- 12   Subject: IT/ITes (NSQF)   Code: 930

General Instructions:

1. There will be an Annual Examination Based on the Entire Syllabus.

2. The Annual Examination will be (60/2) 30 Marks and, External Assessment (Practical) Examination will be 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- 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

NSQF Course Structure (2025-26)

Class- 12   Subject: IT/ITes   Code: 930

Sr. No.	Vocation Skill Units	Marks
1.	Unit 1. Relational Database Management System Concepts	15
2.	Unit 2. Advance Python Programming	10
3.	Unit 3. Software Engineering	15
4.	Unit 4. Emerging Trends and Social Impact	10
	Employability Skill Units	
1.	Unit 1:CommunicationSkill	2
2.	Unit 2: Self-Management Skill	2
3.	Unit3: Information and Communication Technology Skill.	2
4.	Unit 4: Entrepreneurship Skill	2
5.	Unit 5: Green Skill	2
	Total	(60/2) =30
	Practical Examination	50
	Internal assessment	20
	Grand Total	**100**

Vocational Skill IT/ITes Subject Book:

Unit 1.   Relational Database Management System Concepts

   Session1-   RDBMS Concepts

   Session 2: Structured of Query Language (SQL)

   Session 3: Functions   in SQL

Unit 2: .   Advance Python Programming

   Session1: File Handling in Python
   Session 2: Exception Handling in Python
   Session 3: Implement Data structure using Python

Unit 3: Software Engineering

   Session1: Software Engineering concepts
   Session2: Software Testing
   Session3: Software Project Using python
   Session4: Contact management System

Unit 4: **Emerging Trends and Social Impact**

Session1: Emerging Trends and New Technology

Session2: Social Impact on Technology

Employability Skill Book:

Unit 1:Communication Skills.

Session 1: Active Listening.
Session 2: Parts of Speech.
Session 3: Writing Sentences.

Unit 2:Self-Management Skills.

Session 1: Motivation and Positive Attitude .
Session 2: Result Orientation
Session 3: Self Awareness.

Unit 3: Information and Communication Technology Skills.
Session 1: Getting Started with Spreadsheet.
Session 2: Performing Basic Operation in   Spreadsheet
Session 3: Working with Data and Formatting Text
Session 4: Advanced Features in Spreadsheet
Session 5: Presentation Software
Session 6: Opening and Saving, Closing and Printing a Presentation
Session 7: Working with Slide and Text in a Presentation.
Session 8: Advanced Features used in Presentation.

Unit 4:Entrepreneurship Skills.
Session 1: Entrepreneurship and Entrepreneur.
Session 2: Barrier to Entrepreneurship.
Session 3: Entrepreneurial Attitudes .
Session 4: Entrepreneurial Competencies
Unit 5: Green Skills.

Session 1: Green Job
Session 2: Importance of Green Jobs

Month wise NSQF Syllabus Teaching Plan (2025-26)

Class- 12th   Subject: IT/ITes Skill   Code: 930

Month	Subject- Content	Teaching Periods	Revision Periods	Practical Work
April	**Vocational Skill**. **Unit 1. Relational Database Management System Concepts** Session1- RDBMS Concepts Session 2: Structured of Query Language (SQL) **Employability Skill**. Unit 1: Communication Skill. Session 1: Active Listening. Session 2: Parts of Speech. Session 3: Writing Sentences.	8 5	5 2	2 2
May	**Vocational Skill**. **Unit 1. Relational Database Management System Concepts** Session 3: Functions in SQL **Unit 2:** . **Advance Python Programming** Session1**:** File Handling in Python **Employability Skill**. Unit 2 :Self-Management Skills. Session 1: Motivation and Positive Attitude . Session 2: Result Orientation Session 3: Self Awareness.	10 4	5 2	2 1
June	During Summer Vacation Home Work/Project			

Month	Content			
July	**Vocational Skill**. **Unit 2: Advance Python Programming** Session 2: Exception Handling in Python	10	5	3

	Employability Skill.
	Unit3:ICTSkills
	    Session 1: Getting Started with Spreadsheet.
	    Session2:Performing Basic Operation in Spreadsheet
		2	2	2

August	**Vocational Skill**. **Unit 2: Advance Python Programming** Session 3: Implement Data structure using Python **Unit 3: Software Engineering** Session1: Software Engineering concepts	10	5	2
	Employability Skill. Unit3:ICTSkills Session 3: Working with Data and Formatting Text Session 4: Advanced Features in Spreadsheet	5	2	0

September	**Half Yearly Examination**
	Vocational Skill.
	
	Unit 3: Software Engineering
	
	    Session2: Software Testing
	    Session3: Software Project Using python
	Unit3:ICTSkills
	    Session 5: Presentation Software
		8	5	2

	Session 6:Opening and Saving, Closing and Printing a Presentation	5	2	2

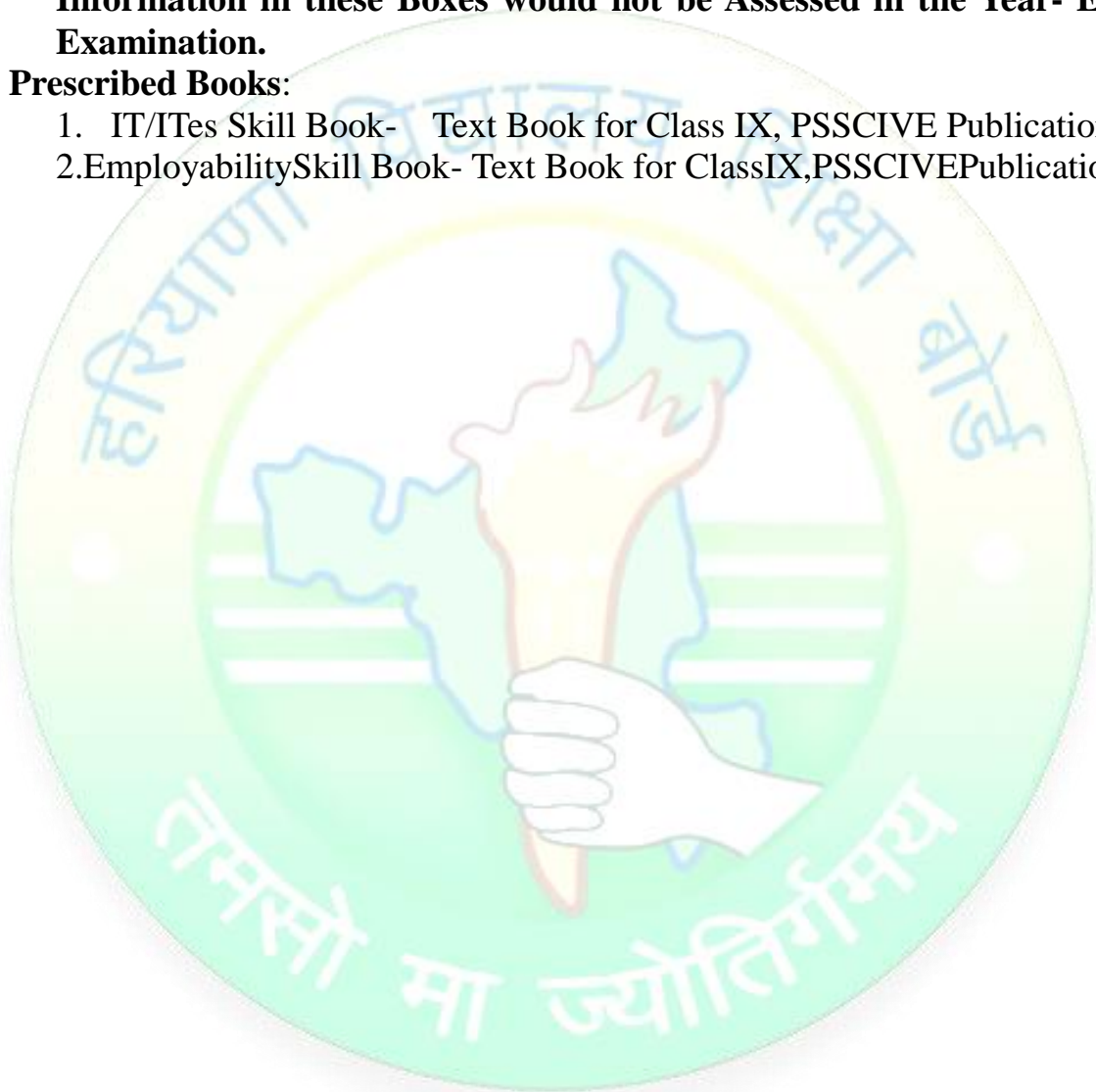| Month	Content			
October	**Vocational Skill**. **Unit 3: Software Engineering** Session4: Contact management System Employability Skill. Unit3: ICT Skills Session7: Working with Slide and Text in a Presentation. Session 8: Advanced Features used in Presentation.	10 5	3 2	2 2

November	**Vocational Skill**.
	
	 Unit 4: **Emerging Trends and Social Impact**
	
	   Session1: Emerging Trends and New Technology
	
	Employability Skill.
	Unit4:Entrepreneurship Skills.
	      Session 1: Entrepreneurship and Entrepreneur.
	      Session 2: Barrier to Entrepreneurship**.**
		10
		
		4
			3
			
			3
				2
				
				2

December	**Vocational Skill**.
	
	Unit 4: **Emerging Trends and Social Impact**
	
	  Session2: Social Impact on Technology
	
	Employability Skill.
	Unit4:Entrepreneurship Skills.
	   Session 3: Entrepreneurial Attitudes .
	      Session 4: Entrepreneuria Competencies
		5
		
		4
			5
			
			4
				4
				
				2

January	.**Employability Skill**.
	Unit 5: Green Skills.
	
	   Session 1: Green Job
	
	   Session 2: Importance of Green Jobs
		5	5
			
			5\
				2

February	**Vocational Skill**. Revision of Complete Syllabus. **Employability Skill**. Revision of Complete Syllabus.	5 5	5 5	2 2
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. IT/ITes Skill Book-   Text Book for Class IX, PSSCIVE Publication.
2. EmployabilitySkill Book- Text Book for ClassIX,PSSCIVEPublication.

NSQF Question Paper Design (2025-26)

Class-12   Subject: IT/ITes   Code:930

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

Type of Question	Marks	Number	Description	Total Marks
Objective Type Question	1	15	6 Multiple Choice Questions, 3 Fill in the Blanks Questions, 3 One Word Answer Type Questions, 3 Assertion-Reason Question.	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 Type Question	5	3	Question Internal option will be given in all the Questions.	15
Total		30		60