



BOARD OF SCHOOL EDUCATION HARYANA

Syllabus and Unit Wise Division of Marks (2026-27)

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 (2026-27)

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: Communication Skill	2
2.	Unit 2: Self-Management Skill	2
3.	Unit 3: 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

Session 4: Numpy Array

Session 5: Pandas and Series in Python

Session 6: Graphical Representation using MatpotLib

Session 7: Database Connectivity with MySQL

Unit 3: Software Engineering

Session1: Software Engineering concepts

Session2: Software Testing



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 (2026-27)

Class- 12th

Subject: IT/ITes Skill

Code: 930

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



July	<u>Vocational Skill.</u> Unit 2: Advance Python Programming Session 2: Exception Handling in Python Session 4: Numpy Array Session 5: Pandas and Series in Python	10	5	3
	<u>Employability Skill.</u> Unit3:ICTSkills Session 1: Getting Started with Spreadsheet. Session2:Performing Basic Operation in Spreadsheet	2	2	2

August	<u>Vocational Skill.</u> Unit 2: Advance Python Programming Session 1: Implement Data structure using Python Session 6: Graphical Representation using MatpotLib	10	5	2
	<u>Employability Skill.</u> Unit3:ICTSkills Session 3: Working with Data and Formatting Text Session 4: Advanced Features in Spreadsheet	5	2	0

September	Half Yearly Examination <u>Vocational Skill.</u> Unit 3: Software Engineering Session 1: Software Engineering Concepts Session2: Software Testing	8	5	2
	Unit3:ICTSkills Session 5: Presentation Software Session 6:Opening and Saving, Closing and Printing a Presentation	5	2	2



October	<u>Vocational Skill.</u> Unit 2: Advance Python Programming Session 7: Database Connectivity with MySQL <u>Employability Skill.</u> Unit3: ICT Skills Session7: Working with Slide and Text in a Presentation. Session 8: Advanced Features used in Presentation.	10	3	2
November	<u>Vocational Skill.</u> Unit 4: Emerging Trends and Social Impact Session1: Emerging Trends and New Technology <u>Employability Skill.</u> Unit4:Entrepreneurship Skills. Session 1: Entrepreneurship and Entrepreneur. Session 2: Barrier to Entrepreneurship.	10	3	2
December	<u>Vocational Skill.</u> Unit 4: Emerging Trends and Social Impact Session2: Social Impact on Technology <u>Employability Skill.</u> Unit4:Entrepreneurship Skills. Session 3: Entrepreneurial Attitudes . Session 4: Entrepreneuria Competencies	5	5	4
January	<u>Employability Skill.</u> Unit 5: Green Skills. Session 1: Green Job Session 2: Importance of Green Jobs	5	5 5\	2
February	<u>Vocational Skill.</u> Revision of Complete Syllabus. <u>Employability Skill.</u> Revision of Complete Syllabus.	5 5	5 5	2 2
March	Annual Examination			

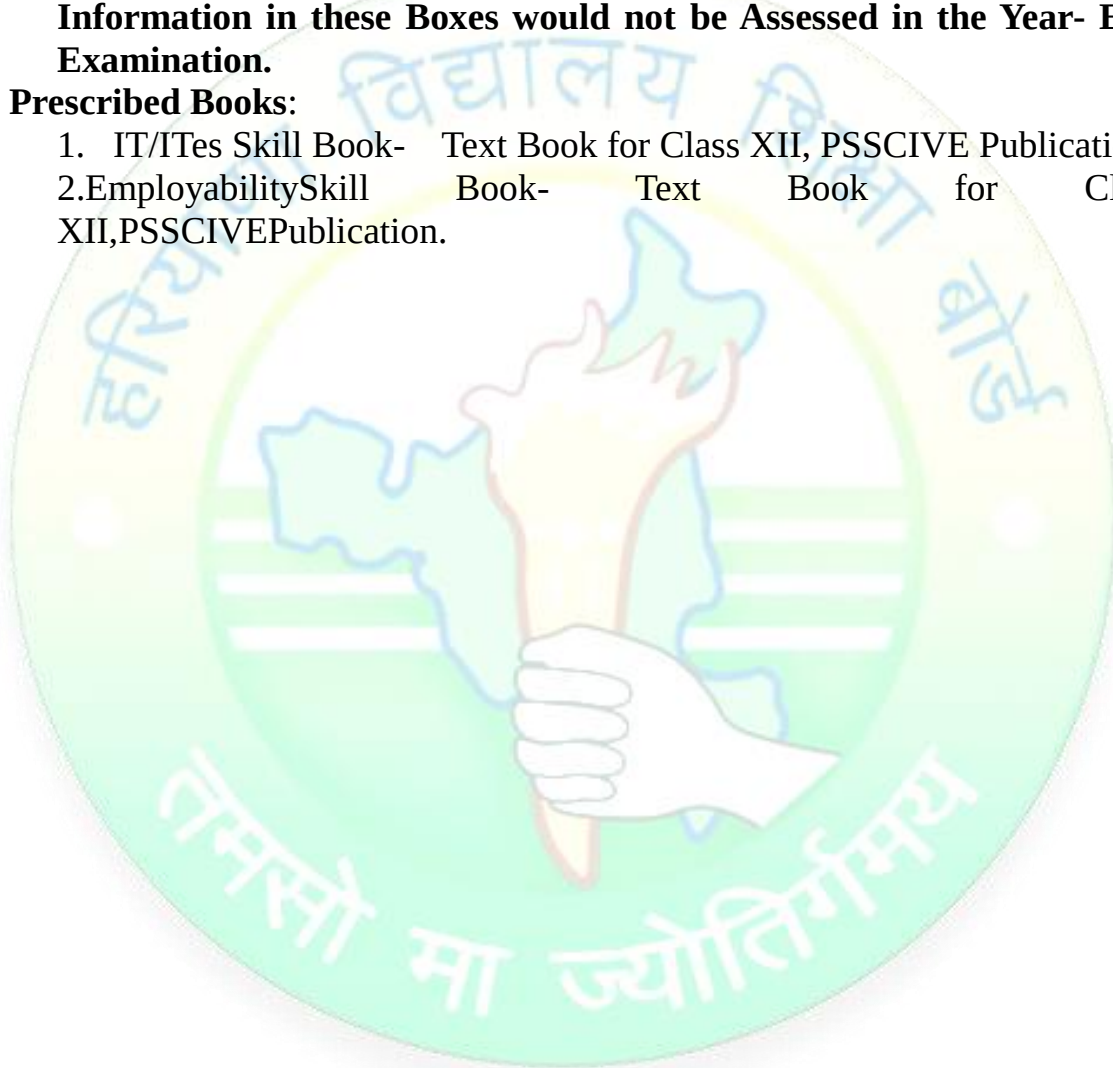


Note:

- 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 XII, PSSCIVE Publication.
2. Employability Skill Book- Text Book for Class XII, PSSCIVE Publication.





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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