BOARD OF SCHOOL EDUCATION HARYANA

Syllabus and Chapter wise division of Marks (2025-26)

Class- 11th Subject: IT-ITES   Code: ITS 930

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 Practical Examination:

     i) Two experiments of 10 marks each.

     ii) One activity of 15 marks.

     iii) Practical record of 10 marks.

     iv) Viva-voce of 15 marks.

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%	- 05 marks

Course Structure (2025-26)

Class- 11th Subject: IT-ITES   Code: ITS 930

Unit. No.	Unit Name	Unit Marks
1	Unit 1: Software Construction Essentials	15
2	Unit 2: Operating System and Computer Network	15
3	Unit 3: Python Programming	10
4	Unit 4: Data Structure	10
	Employability Skill	
1	Unit 1: Communication Skills	2
2	Unit 2: Self-management Skills	2
3	Unit 3: Information and Communication Technology Skills	2
4	Unit 4: Entrepreneurial Skills –	2
5	Unit 5: Green Skills	2
Total		60/2=30
Practical Examination		50
Internal Assessment		20
Grand Total		**100**

Vocational IT-ITES Subject Book:

Unit 1:Software Construction Essentials

Session 1: Computer System Architecture
Session 2: Data Representation in Computer
Session 3: Basic Concepts of Mathematics and Statistics
Session 4: Problem Solving Methods
Session 5: Programming Language Concepts

Unit 2:Operating System and Computer Network

Session1: Operating System
Session2: Computer Networks
Session3: Network Protocols
Chapter 4: Network Security

Unit 3: Python Programming

Session1: Python Basics
Session2: Control Structures
Session3: Functions
Session4: Strings
Session5: Lists
Session6: Tuples and Dictionaries)

Unit 4:Data Structure
Session1: Introduction to Data Structure
Session2: Linear Arrays
Session3: Stack
Session4: Queue
Session5: Linked Lists
Session6: Tree
Session7: Graphs

Employability Skill Book:

Unit 1: Communication Skills

Session 1: Introduction to Communication

Session 2: Verbal Communication

Session 3: Non-verbal Communication

Session 4: Pronunciation Basics

Session 5: Communication Styles — Assertiveness

Session 6: Saying No — Refusal Skills

Session 7: Writing Skills — Parts of Speech

Session 8: Writing Skills — Sentences

Session 9: Greetings and Introduction

Session 10: Talking about Self

Session 11: Asking Questions

Session 12: Talking about Family

Session 13: Describing Habits and Routines

Session 14: Asking for Directions

Unit 2: Self-management Skills

Session 1: Strength and Weakness Analysis

Session 2: Grooming

Session 3: Personal Hygiene

Session 4: Team Work

Session 5: Networking Skills

Session 6: Self-motivation

Session 7: Goal Setting

Session 8: Time Management

Unit 3: Information and Communication Technology Skills

Session 1: Introduction to ICT

Session 2: Basic Interface of Libre Office Writer

Session 3: Saving, Closing, Opening and Printing Document

Session 4: Formatting Text in a Word Document

Session 5: Checking Spelling and Grammar

Session 6: Inserting Lists, Tables, Pictures and Shapes

Session 7: Header, Footer and Page Number

Session 8: Tracking Changes in Libre Office Writer

Unit 4: Entrepreneurship Skills

Session 1: Introduction to Entrepreneurship

Session 2: Values of an Entrepreneur

Session 3: Attitude of an Entrepreneur

Session 4: Thinking Like an Entrepreneur

Session 5: Coming Up with a Business Idea

Session 6: Understanding the Market

Session 7: Business Planning

Unit 5: Green Skills

Session 1: Sectors of Green Economy

Session 2: Policies for a Green Economy

Session 3: Stakeholders in Green Economy

Session 4: Government and Private Agencies

Month wise NSQF Syllabus Teaching Plan (2025-26)

Class- 11th Subject: IT-ITES   Code: ITS 930

Month	Subject- Content	Teaching Periods	Revision Periods	Practical Work
July	**Vocational Skill** . Unit:1 Software Construction Essentials **Session 1:** Computer System Architecture **Session 2:** Data Representation in Computer **Session 3:** Basic Concepts of Mathematics and Statistics Unit 1: Communication Skills Session 1: Introduction to Communication Session 2: Verbal Communication Session 3: Non-verbal Communication Session 4: Pronunciation Basics Session 5: Communication Styles — Assertiveness Session 6: Saying No — Refusal Skills Session 7: Writing Skills — Parts of Speech Session 8: Writing Skills — Sentences Session 9: Greetings and Introduction Session 10: Talking about Self Session 11: Asking Questions Session 12: Talking about Family Session 13: Describing Habits and Routines Session 14: Asking for Directions	11	5	5

August	**Vocational Skill** .	12	5	4
	Unit:1 Software Construction Essentials **Session 4:** Problem Solving Methods **Session 5:** Programming Language Concepts **Unit 2:Operating System and Computer** **Network Session 1:** Operating System **Employability Skill**. Unit 2: Self-management Skills Session 1: Strength and Weakness Analysis Session 2: Grooming Session 3: Personal Hygiene Session 4: Team Work Session 5: Networking Skills			
September	**Vocational Skill**. **Unit 2:Operating System and Computer** **Network Session 2:** Computer Networks **Session3:**Network Protocols **Session4:**Network Security **Employability Skill**. Unit 2: Self-management Skills Session 6: Self-motivation Session 7: Goal Setting Session 8: Time Management	5	11	5

October	**Vocational Skill**.	11	6	4
	Unit 3: Python Programming			
	Session 1:Python Basics			
	Session 2:Control Structures			
	Session 3: Functions			
	Employability Skill.			
	Unit 3: Information and Communication Technology Skills.			
	Session 1: Introduction to ICT			
	Session 2: Basic Interface of Libre Office Writer			
	Session 3: Saving, Closing, Opening and Printing Document			
	Session 4: Formatting Text in a Word Document			
	Session 5: Checking Spelling and Grammar			
	Session 6: Inserting Lists, Tables, Pictures and Shapes			
	Session 7: Header, Footer and Page Number			
	Session 8: Tracking Changes in Libre Office Writer			
November	**Vocational Skill**.	10	7	4
	Unit 3: Python Programming			
	Session 4:Strings			
	Session 5:Lists			
	Session 6:Tuples and Dictionaries			
	Employability Skill.			
	Unit 4: Entrepreneurship Skills			
	Session 1: Introduction to Entrepreneurship			
	Session 2: Values of an Entrepreneur			
	Session 3: Attitude of an Entrepreneur			
	Session 4: Thinking Like an Entrepreneur			
	Session 5: Coming Up with a Business Idea			
	Session 6: Understanding the Market			
	Session 7: Business Planning			

December	**Vocational Skill**. Unit 4: Data Structure Session 1:Introduction to Data Structure Session 2: Linear Arrays Session 3: Stack Session 4: Queue **Employability Skill**. Unit 5: Green Skills Session 1: Sectors of Green Economy Session 2: Policies for a Green Economy	10	7	4
January	**Vocational Skill**. Unit 4: Data Structure Session 5: Linked Lists Session 6:Tree Session 7:Graphs **Employability Skill**. Unit 5: Green Skills Session 3: Stakeholders in Green Economy Session 4: Government and Private Agencies	8	7	1
February	**Vocational Skill**. Revision of Complete Syllabus.		11	
March	Annual Examination			

Note:

- **Subject Teachers are advised to direct the students to prepare notebook of the Terminology/Definitional Words used in the chapters for enhancement of vocabulary or clarity of the concept.**

- **The NCERT 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.**

NSQF Question Paper Design (2025-26)

Class- 11th Subject: IT-ITES   Code: ITS 930

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 Questions	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