



BOARD OF SCHOOL EDUCATION HARYANA

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

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%	- 05marks



Course Structure (2023-24)

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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

Session 1: Operating System

Session 2: Computer Networks

Session 3: Network Protocols

Chapter 4: Network Security

Unit 3: Python Programming

Session 1: Python Basics

Session 2: Control Structures

Session 3: Functions

Session 4: Strings

Session 5: Lists

Session 6: Tuples and Dictionaries)

Unit 4: Data Structure

Session 1: Introduction to Data Structure

Session 2: Linear Arrays

Session 3: Stack

Session 4: Queue

Session 5: Linked Lists

Session 6: Tree

Session 7: 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 LibreOffice 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 LibreOffice 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



Monthwise NSQF Syllabus Teaching Plan (2023-24)

Class- 11th Subject: IT-ITES

Code: ITS 930

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



<p>August</p>	<p><u>Vocational Skill.</u> Unit:1 Software Construction Essentials Session 4: Problem Solving Methods Session 5: Programming Language Concepts</p> <p>Unit 2:Operating System and Computer Network Session 1: Operating System</p> <p><u>Employability Skill.</u> 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</p>	<p>12</p>	<p>5</p>	<p>4</p>
<p>September</p>	<p><u>Vocational Skill.</u></p> <p>Unit 2:Operating System and Computer Network Session 2: Computer Networks Session3:Network Protocols Session4:Network Security</p> <p><u>Employability Skill.</u> Unit 2: Self-management Skills Session 6: Self-motivation Session 7: Goal Setting Session 8: Time Management</p>	<p>5</p>	<p>11</p>	<p>5</p>



<p>October</p>	<p><u>Vocational Skill.</u> Unit 3: Python Programming Session 1: Python Basics Session 2: Control Structures Session 3: Functions</p> <p><u>Employability Skill.</u> Unit 3: Information and Communication Technology Skills. Session 1: Introduction to ICT Session 2: Basic Interface of LibreOffice 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 LibreOffice Writer</p>	<p>11</p>	<p>6</p>	<p>4</p>
<p>November</p>	<p><u>Vocational Skill.</u> Unit 3: Python Programming Session 4: Strings Session 5: Lists Session 6: Tuples and Dictionaries</p> <p><u>Employability Skill.</u> 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</p>	<p>10</p>	<p>7</p>	<p>4</p>



December	<p><u>Vocational Skill.</u> Unit 4: Data Structure Session 1: Introduction to Data Structure Session 2: Linear Arrays Session 3: Stack Session 4: Queue</p> <p><u>Employability Skill.</u> Unit 5: Green Skills Session 1: Sectors of Green Economy Session 2: Policies for a Green Economy</p>	10	7	4
January	<p><u>Vocational Skill.</u> Unit 4: Data Structure Session 5: Linked Lists Session 6: Tree Session 7: Graphs</p> <p><u>Employability Skill.</u> Unit 5: Green Skills Session 3: Stakeholders in Green Economy Session 4: Government and Private Agencies</p>	8	7	1
February	<u>Vocational Skill.</u> 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.



Question Paper Design(2023-24)

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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