

SCHEME OF WORK 2017-18

SUBJECT/CLASS: _____

Section : _____

Name of Teacher & Designation _____

Date/Day	Learning Block	SLOs	Strategy	Assessment	Home Work	
1.	What is problem?	Students will be able to define the problem.	Lecture and discussion.	Ask about daily life problems.	Write two problems in your notebook.	
2.	Problem Analysis	Students will be able to select, describe and find the causes and factors of the problems.	Lecture and discussion.	Ask about the causes of different problems.	Write analysis about problem (Prepare a cup of tea).	
3.	Plan the solution	Students will learn different problem solving techniques.	Lecture and discussion	Solve a problem by taught techniques.	Apply a technique on any problem to find a solution for that problem.	
4.	What is candid solution?	Students will be able to define candid solution.	Lecture and discussion	Write different solutions of a problem on the whiteboard and ask about the candid solution.	Write a solution of a problem and explain how it is candid solution?	
5.	Selecting the best solution	Students will be able to find the	Lecture and discussion	Ask about the steps of	Write procedure of writing best solution	

		best solution		selecting best solution		
6.	What is an algorithm?	Students will be able to define an algorithm.	Lecture and discussion	Ask about the definition of Algorithm	Write definition of algorithm in your notebooks.	
7.	Role of algorithm in problem solving	Students will understand the role of algorithm in problem solving.	Lecture and discussion	Describe the role of algorithm in a sample algorithm.	Write a sample problem and explain the role of algorithm within that problem.	
8.	What is efficiency of an algorithm	Students will be able to define efficiency and efficiency of an algorithm.	Lecture and discussion	What is efficiency and what is efficiency of an algorithm?	Write definition of Efficiency and Efficiency of an algorithm in your own words.	
9.	Criteria for measuring efficiency of an algorithm	Students will understand criteria for measuring efficiency of an algorithm.	Lecture and discussion	Describe the Criteria for measuring efficiency of an algorithm	Write Criteria for measuring efficiency of an algorithm in your notebook	
10.	Algorithms for problem solving (Problem 1)	Students will be able to write algorithms of different	Lecture and discussion	Ask about different steps of Algorithm of	Write an algorithm to find division of two numbers.	

		problems.		Problem 1		
11.	Algorithms for problem solving (Problem 2)	Students will be able to write algorithms of different problems.	Lecture and discussion	Ask about different steps of Algorithm of Problem 2	Write an algorithm to display the smaller one out of the three given unequal numbers.	
12.	Algorithms for problem solving (Problem 3)	Students will be able to write algorithms of different problems.	Lecture and discussion	Ask about different steps of Algorithm of Problem 3	Write an algorithm to find the mass of a moving object with the given acceleration and force applied.	
13.	Algorithms for problem solving (Problem 4)	Students will be able to write algorithms of different problems.	Lecture and discussion	Ask about different steps of Algorithm of Problem 4	Write an algorithm to find the perimeter of a circle.	
14.	Algorithms for problem solving (Problem 5)	Students will be able to write algorithms of different problems.	Lecture and discussion	Ask about different steps of Algorithm of Problem 5	Write an algorithm to find the area of a square.	
15.	Algorithms for problem solving (Problem 6)	Students will be able to write algorithms of different	Lecture and discussion	Ask about different steps of Algorithm of Problem 6	Write an algorithm to find the area of a circle.	

		problems.				
16.	Algorithms for problem solving (Problem 7)	Students will be able to write algorithms of different problems.	Lecture and discussion	Ask about different steps of Algorithm of Problem 7	Write an algorithm to find perimeter of a rectangle.	
17.	Algorithms for problem solving (Problem 8)	Students will be able to write algorithms of different problems.	Lecture and discussion	Ask about different steps of Algorithm of Problem 8	Write an algorithm to calculate total marks of a student.	
18.	Algorithms for problem solving (Problem 9)	Students will be able to write algorithms of different problems.	Lecture and discussion	Ask about different steps of Algorithm of Problem 9	Write an algorithm to find percentage of marks.	
19.	Algorithms for problem solving (Problem 10)	Students will be able to write algorithms of different problems.	Lecture and discussion	Ask about different steps of Algorithm of Problem 10	Write an algorithm to find square of any given number.	
20.	Algorithms for problem solving (Problem 11)	Students will be able to write algorithms of different	Lecture and discussion	Ask about different steps of Algorithm of Problem 11	Write an algorithm to find sequence of EVEN numbers starting from a given number.	

		problems.				
21.	Algorithms for problem solving (Problem 12)	Students will be able to write algorithms of different problems.	Lecture and discussion	Ask about different steps of Algorithm of Problem 12	Trace out algorithm of problem 12 for any input.	
22.	Algorithms for problem solving (Problem 13)	Students will be able to write algorithms of different problems.	Lecture and discussion	Ask about different steps of Algorithm of Problem 13	Trace out algorithm of problem 13 for any input.	
23.	Algorithms for problem solving (Problem 14)	Students will be able to write algorithms of different problems.	Lecture and discussion	Ask about different steps of Algorithm of Problem 14	Write an algorithm to convert Fahrenheit to Celsius.	
24.	Algorithms for problem solving (Problem 15)	Students will be able to write algorithms of different problems.	Lecture and discussion	Ask about different steps of Algorithm of Problem 15	Write an algorithm to convert Fahrenheit to Kelvin scale.	
25.	Algorithms for problem solving (Problem 16)	Students will be able to write algorithms of different	Lecture and discussion	Ask about different steps of Algorithm of Problem 16	Write an algorithm to find odd number in integers ranging from n_1 to n_2 (where n_1 is less than n_2 and n_1 is an odd number.)	

		problems.				
26.	Algorithms for problem solving (Problem 17)	Students will be able to write algorithms of different problems.	Lecture and discussion	Ask about different steps of Algorithm of Problem 17	Write an algorithm to multiply members of two lists L1[n] and L2[n] in L3[n].	
27.	Algorithms for problem solving (Problem 18)	Students will be able to write algorithms of different problems.	Lecture and discussion	Ask about different steps of Algorithm of Problem 18	Trace out Problem 18 algorithm for any two numbers.	
28.	Algorithms for problem solving (Problem 19)	Students will be able to write algorithms of different problems.	Lecture and discussion	Ask about different steps of Algorithm of Problem 19	Trace out Problem 19 algorithm for different numbers.	
29.	Algorithms for problem solving (Problem 20)	Students will be able to write algorithms of different problems.	Lecture and discussion	Ask about different steps of Algorithms of Problem 20	Trace out Problem 20 algorithm for any two numbers.	
30.	What is flowchart?	Students will be able to define flowcharts.	Lecture and discussion	Define flowcharts	Write about flowcharts in your own words.	

31.	Importance of a flowchart for solving a problem	Students will understand the importance of flowcharts.	Lecture and discussion	How flow charts are important in solving problem?	Write importance of flowcharts in problems solving in your own words.	
32.	Flowcharts requirements (inputs needed, processing to be completed)	Students will understand the requirements of flowcharts.	Lecture and discussion	Which things are required for flowcharts?	Write in your notebooks about flowcharts requirements.	
33.	Flowcharts requirements (decisions to be taken, output to be provided)	Students will understand the requirements of flowcharts.	Lecture and discussion	Which things are required for flowcharts?	Write in your notebooks about flowcharts requirements.	
34.	Flowchart symbols	Students will understand the symbols of flowcharts.	Lecture and discussion	Which symbols are used in flowcharts?	Draw flowchart symbols and write there description.	
35.	Flowcharts to solve some problems (Flowchart 1)	Students will be able to make flowcharts of different algorithms.	Lecture and discussion	Ask about the mechanism used in flowcharts 1.	Draw flow chart to find average of 6 numbers.	
36.	Flowcharts to solve some problems	Students will be able to make flowcharts of	Lecture and discussion	Ask about the mechanism used	Draw flow chart to find the smallest of three unequal numbers.	

	(Flowchart 2)	different algorithms.		in flowchart 2.		
37.	Flowcharts to solve some problems (Flowchart 3)	Students will be able to make flowcharts of different algorithms.	Lecture and discussion	Ask about the mechanism used in flowcharts 3	Draw flow chart to find mass of the moving object given acceleration and force applied.	
38.	Flowcharts to solve some problems (Flowchart 4)	Students will be able to make flowcharts of different algorithms.	Lecture and discussion	Ask about the mechanism used in flowchart 4	Draw flow chart to find area of a square..	
39.	Flowcharts to solve some problems (Flowchart 5)	Students will be able to make flowcharts of different algorithms.	Lecture and discussion	Ask about the mechanism used in flowchart 5.	Draw flow chart to find area of a circle.	
40.	Flowcharts to solve some problems (Flowchart 6)	Students will be able to make flowcharts of different algorithms.	Lecture and discussion	Ask about the mechanism used in flowchart 6.	Draw flow chart to find percentage and grade of a student.	
41.	Flowcharts to solve some problems	Students will be able to make flowcharts of different	Lecture and discussion	Ask about the mechanism used in flowchart 7.	Draw flow chart to find zakat on a given amount.	

	(Flowchart 7)	algorithms.				
42.	Flowcharts to solve some problems (Flowchart 8)	Students will be able to make flowcharts of different algorithms.	Lecture and discussion	Ask about the mechanism used in flowchart 8.	Draw flow chart to find square of a given number.	
43.	Flowcharts to solve some problems (Flowchart 9)	Students will be able to make flowcharts of different algorithms.	Lecture and discussion	Ask about the mechanism used in flowchart 9.	Draw flow chart to print EVEN numbers from 1 to 100.	
44.	Flowcharts to solve some problems (Flowchart 10)	Students will be able to make flowcharts of different algorithms.	Lecture and discussion	Ask about the mechanism used in flowchart 10.	Draw flow chart to find sum of ODD numbers from 1 to 50.	
45.	Flowcharts to solve some problems (Flowchart 11)	Students will be able to make flowcharts of different algorithms.	Lecture and discussion	Ask about the mechanism used in flowchart 11.	Draw flow chart to find convert temperature from Celsius to Fahrenheit.	
46.	Flowcharts to solve some problems (Flowchart 12)	Students will be able to make flowcharts of different	Lecture and discussion	Ask about the mechanism used in flowchart 12.	Draw flow chart to find GCD of two numbers..	

		algorithms.				
47.	Revision of Unit 1					
48.	Test in Unit 1					
49.	Unit 2 Introduction to programing. Computer Program	Students will be able to understand that how we interacts with the computers.	Lecture and discussion	What is computer program? What is syntax? What is Semantics?	Write a short note notebook about computer program, its syntax and semantics.	
50.	Programing Languages, Low level languages	Students will understand that how we interacts with the computers.	Lecture and discussion	Ask about the definition and types of programing languages?	Write about different types of low level programing languages?	
51.	High level languages	Students will be able to understand that how we interacts with the computers.	Lecture and discussion	Define high level languages with examples.	Write about two high level languages in your notebooks.	
52.	Characteristics of High Level Languages	Students will be able to understand the Characteristics	Lecture and discussion	Tell me a few characteristics of high level languages.	Write Characteristics of high level languages in your own words.	

		of High Level Languages				
53.	Some popular high level Programing languages	Students will be able to understand about some high level Programing languages	Lecture and discussion	Tell me about some high level languages that you know.	Write names of high level languages with a little description.	
54.	Compiler and interpreter	Students will be able to define and differentiate between Compiler and interpreter	Lecture and discussion	Define compiler. Define interpreter. Tell me the difference between compiler and interpreter.	Write the differences between Compiler and interpreter in your notebooks.	
55.	Programing Environment, Integrated Development Environment	Students will understand the programing and ID Environment.	Lecture and discussion	What IDE stands for? Define IDE.	Write a short note on IDE in your notebooks.	
56.	Modules of the C programming environment	Students will understand the modules and	Lecture and discussion	What is editor? What is	How Programs are compiled in C language?	

		compilation of program in C language		<p>compiler?</p> <p>What is linker?</p> <p>What is loader?</p> <p>What is debugger?</p>		
57.	<p>Programing Basics</p> <p>(header File, Reserved words)</p>	Students will understand the basic of C programing language	Lecture and discussion	<p>What is header file?</p> <p>What do you means by reserved words?</p>	<p>Write names and function of 3 header files.</p> <p>Write of 10 reserved words of C language.</p>	
58.	<p>Programing Basics</p> <p>(Basic Structure of C Program)</p>	Students will understand the basic of C programing language	Lecture and discussion	<p>What is preprocessor directive?</p> <p>What is main function?</p> <p>What do you mean by body of main function?</p>	Describe preprocessor directive, main function and body of main function in your own words.	
59.	<p>Programing Basics</p> <p>(Comments in C)</p>	Students will understand the basic of C programing language	Lecture and discussion	What is meant by comments in C language?	Write ways of comments with examples in your notebooks.	

60.	Variables and Constants	Students will be able to define and differentiate between Variables and constants.	Lecture and discussion	<p>What is variable?</p> <p>What is constant?</p> <p>How many types of variable do you know?</p>	What is the difference between variable and constant?	
61.	Rules for writing variables names	Students will be able to name the variables.	Lecture and discussion	<p>Tell me rules of writing variables?</p> <p>Write a few variables and ask the students that rules are followed in that variables or not.</p>	Write 20 variables that follow all the rules of writing variables.	
62.	Data types used in C language	Students will know the data types of C language	Lecture and discussion	<p>What is data type?</p> <p>Which data types are used in C language?</p>	Declare 20 variables with integer, floating point and character data types.	
63.	Type casting	Student will be able to define and describe type casting	Lecture and discussion	<p>What is type casting?</p> <p>How many ways</p>	Write examples of Implicit and explicit type casting?	

		and its types.		of type casting do you know?		
64.	Declaration and Initialization of variables	Students will be able to declare and initialize variables during writing a C program.	Lecture and discussion	What is declaration? What is initialization? Declare and initialize a character/ integer variable?	Declare and Initialize 10 integer and 10 character variables in your notebooks.	
65.	Revision of Unit 2					
66.	Test in Unit 2					
67.	Unit 3. Input and Output Functions Output functions (Printf function)	Students will be able to understand output functions and use of printf() in C language.	Lecture and Practical	What is output? What is function? What is output function?	Write and compile a program to print “Pakistan Zindabad” using print() function.	
68.	Puts() function	Students will be able to understand and	Lecture and Practical	Write and compile a program using	Write and compile a program to print “Pakistan Zindabad” using puts() function’	

		use of Puts() function		puts() function.		
69.	Cout function	Students will be able to understand and use of cout function	Lecture and Practical	Write and compile a program using cout function.	Write and compile a program to print "Pakistan Zindabad" using cout function'	
70.	Input functions Scanf() function	Students will be able to understand input functions and format and use of scanf() in C language.	Lecture and Practical	What is input? What is function? What is input function? Write and compile a program using scanf() function.	Write and compile a program to take input using scanf() function.	
71.	Getch(), getche(), getchar() functions	Students will be able to understand use and formats of Getch(), getche(), getchar() and	Lecture and Practical	Differentiate Getch(), getche(), getchar() functions. compile a program using	Write and compile a program to take input using Getch(), getche(), getchar() functions.	

		functions.		Getch(), getche(), getchar() and functions.		
72.	gets(), getchar() functions	Students will be able to understand use and formats of Gets() and getchar() functions.	Lecture and Practical	Compile a program using Gets() and getchar() functions.	Write and compile a program to take input using Gets(), getchar() functions.	
73.	Cin function.	Students will be able to understand use and formats of cin.	Lecture and Practical	Compile a program using cin function.	Write and compile a program to take input using cin function.	
74.	Statement terminator, Format specifiers	Students will be able to understand use of semicolon and format specifiers.	Lecture and Practical	What is statement terminator? What is format specifier? Write a program using format specifier.	Write and compile a program take character and numbers as an input and display them using format specifiers.	

75.	Escape Sequence	Students will be able to understand Escape sequences and their uses.	Lecture and Practical	<p>What is escape sequence?</p> <p>Name some of the escape sequences?</p> <p>Describe some of the escape sequences.</p>	Write a program using at least 5 escape sequences.	
76.	Operators, Arithmetic Operators	Students will be able to understand operators and Arithmetic operators and their use in C language.	Lecture and Practical	<p>What is operator?</p> <p>What is arithmetic operator?</p> <p>Write a program using Arithmetic operators.</p>	Write Arithmetic operators with their description.	
77.	Assignment and compound assignment operators.	Students will be able to understand assignment and compound operators and their uses.	Lecture and Practical	<p>What is assignment operator?</p> <p>What is compound assignment operator?</p>	Write a program using Assignment and compound assignment operators.	

78.	Increment and decrement operators	Students will be able to understand increment and decrement operators and their uses.	Lecture and Practical	<p>What is increment operator?</p> <p>What is decrement operator?</p>	Write a program using increment and decrement operators.	
79.	Relational operators (logical operators)	Students will be able to understand Relational operators, logical operators and their uses.	Lecture and Practical	<p>What are relational operators?</p> <p>What are logical operators?</p>	Write truth table of logical operators in your notebooks.	
80.	Relational operators (unary and binary, conditional operators)	Students will be able to understand unary and binary, conditional operators and their uses.	Lecture and Practical	<p>What is the difference between unary and binary operators?</p> <p>What is conditional operator?</p>	Write examples of unary, binary and conditional operators in your notebooks.	

81.	Operators and their Precedence	Students will be able to understand the Precedence of Relational operators	Lecture and Practical	Which one in / and % has the highest precedence? Which one in + and * has the highest precedence?	Write operators from highest to lowest precedence in your notebooks. Solve the following questions: 1) $(20+10)*15/5$ 2) $((20+10)*15)/5$ 3) $(20+10)*(15/5)$ 4) $20+(10*15)/5$	
82.	Revision of Unit 3					
83.	Test in Unit 3					
84.	Unit 4: Control Structure Control Statements	Students will be able to understand the flow of execution of statement, types of control statement and if-statement format	Lecture and Practical	What is control statement? Write a program using if-statement?	Write a program that display Pass or Fail on the basis of given marks.	
85.	Control Statements If-else statement	Students will be able to understand the flow of execution of if-	Lecture and Practical	Write a program using if-else statement.	Write a program that prints the smaller of two numbers	

		else statement and its format				
86.	Control Statements Switch statement	Students will be able to understand the flow of execution of Switch statement and its format	Lecture and Practical	What is switch statement? How is it different from if-else statement?	Write a program that takes two numbers as an input and perform addition/subtraction/multiplication/division using switch statement.	
87.	Control Statements using nested selection structures	Students will be able to understand the flow of execution of nested selection structures and its format	Lecture and Practical	Write a program using nested selection structure.	Write the format of nested selection structure.	
88.	Difference among all selection structures	Students will be able to understand when and where to use different selection	Lecture and Discussion	When we use if-statement? When we use if-else statement? When we use switch-	Write programs using if-statement, if-else statement and switch statement.	

		structures		statement?		
89.	Revision of Unit 4					
90.	Test in Unit 4					
91.	Unit 5 Loop structure	Students will be able to understand the concept of loop structure, its types and their use.	Lecture and Practical	What is loop? Why we use loops? What are the types of loops?	Write 5 daily life examples related to loops.	
92.	The for Loop	Students will be able to understand the concept and format of For Loop	Lecture and Practical	Write a program that prints number 1 to 10 using for loop.	Write a program that adds number from 1 to 50 using for loop.	
93.	The while Loop	Students will be able to understand the concept and format of while Loop	Lecture and Practical	Write a program that prints number 1 to 10 using while loop.	Write a program that adds number from 1 to 50 using while loop.	

94.	The do-while Loop	Students will be able to understand the concept and format of do-while Loop	Lecture and practical	Write a program that prints number 1 to 10 using while loop.	Write a program that adds number from 1 to 50 using do-while loop.	
95.	The break statement	Students will be able to understand the concept and use of break statement.	Lecture and practical	Why we use break statement	Write a program that adds number from 1 to 50 but when the sum becomes greater than 250 then the loop terminates.	
96.	Continue statement	Students will be able to understand the concept and use of continue statement.	Lecture and practical	Write a program and use the concept of continue statement using while loop.	Write a brief description on continue statement.	
97.	Difference between loop structures	Students will be able to understand the difference as well as which, when, why and where to use a loop structure.	Lecture and Discussion	When we use for loop? When we use do-while loop?	Write 3 programs using for, while and do-while loops that express the differences among them.	

98.	Nested Loop	Students will be able to understand the concept and format of nested loop.	Lecture and Practical	What is nested loop? Write a program using nested loop.	Write a program that displays the following output. * * * * * * * * * * * * * * *	
99.	Revision of Unit 5					
100.	Test in Unit 5					
101.	Unit 6 Computer Logic and Gates Data representation in a computer	Students will be able to understand that how data is stored and manipulated in the computer.	Lecture and discussion	What is data? What is bit? What is byte?	Convert 540, 7894, 98758 into binary form.	
102.	Logic Gates: Digital logic and logic gates	Student will be able to understand the basic structure of computer.	Lecture and discussion	What is logic? What is digital logic? What is logic gate?	What is meaning of HIGH AND LOW, 0 AND 1 IN THE CONTEXT OF LOGIC GATES.	
103.	Basic logic gates	Student will be able to	Lecture and discussion	What is AND gate?	Draw the diagrams of AND, OR and NOT gates?	

		understand the structure and operations of basic logic gates.		What is OR gate? What is NOT gate?		
104.	Truth Table	Students will be able to define truth table and will understand the properties of truth table.	Lecture and discussion	What is truth table? What is the formula for possible combinations?	Write the properties of truth table. Draw truth tables for BASIC LOGIC GATES.	
105.	More logic gates with their truth tables: NOR Gate NAND	Students will be able to define NAND and NOR gates and will be able to draw their truth tables and figures.	Lecture and discussion	What is the difference between NAND and AND gate? What is the difference between NOR and OR gate?	Draw the figures and truth tables of NAND and NOR gates.	
106.	XOR and XNOR gates	Students will be able to define XOR and XNOR gates. They will be able to draw	Lecture and discussion	How can we write XOR gate mathematically? What is the equation of	Draw the truth tables and figures of XOR and XNOR gates.	

		the truth tables and figures of XOR and XNOR		XNOR gate?		
107.	Creating NAND, NOR, XOR and XNOR gates using basic gates.	Students will be able how to create more gates from the basic gates.	Lecture and discussion	Create NOR gate. Create XNOR gate.	Create NAND gate and XOR gate from basic gates.	
108.	Conversion of Boolean expression to logic circuit	Students will be able to convert Boolean expressions to logic gate.	Lecture and discussion	What is expression? What is Boolean expression?	Convert $xyz+x'y'+c'+a'b'$ to logic gate.	
109.	Simplification of Boolean function using KARNAUGH MAP	Students will be able to simplify Boolean function using Karnaugh map?	Lecture and discussion	What is Boolean function simplification? What is K-Map?	Write a short note on Karnaugh Map.	
110.	Karnaugh Maps- Rules of Simplification	Students will be able to understand K-Map simplification rules.	Lecture and discussion	What are rules of K-Map?	Write K-Map simplification rules in your notebooks.	

111.	Simplification of two variables Boolean function by K-Map	Students will be able to understand how to simplify two variables expression using K-Map	Lecture and discussion	Simplify $ab' + ab$	Simplify $a'b' + ab' + a'b$	
112.	Simplification of three variables Boolean function by K-Map	Students will be able to understand how to simplify three variables expression using K-Map	Lecture and discussion	Simplify $A.B.C + A'.B.C + A.B'.C' + A'.B.C' + A.B.C' + A'.B.C'$	Simplify $A.B.C + A'.B.C + A.B'.C' + A'.B.C' + A.B.C' + A'.B.C'$	
113.	Revision of Unit 6					
114.	Test in Unit 6					
115.	UNIT 7: WORLD WIDE WEB AND HTML INTRODUCTION TO WORLD WIDE WEB	Students will be able to define www and html	Lecture and discussion	What is internet? What www? What is html?	Write a short note on WWW.	
116.	Terms related to world wide	Students will be able to	Lecture and Practical	What is Web page?	Write names of 20 websites in your notebooks.	

	web Web Page Website	understand the terminology of WWW.		What is website?		
117.	Terms related to world wide web Web Browser Web Server	Students will be able to understand the terminology of WWW.	Lecture and Discussion	What is Web Browser? What is web server?	Write names of 5 web browsers. Write names of some well-known web servers.	
118.	Terms related to world wide web URL Search Engine	Students will be able to understand the terminology of WWW.	Lecture and Practical	What is URL? What is Search engine?	Write the URL of BISE mardan and Peshawar University. Write names of some well-known search engines.	
119.	Terms related to world wide web Home page Web hosting	Students will be able to understand the terminology of WWW.	Lecture and Practical	What is home page? What is web hosting?	Print the home pages of BISE Mardan and Peshawar University.	
120.	Types of web sites Web Portals	Students will be able to distinguish web portals from other web	Lecture and Practical	Define web portal.	Write 10 examples of web portals.	

		sites.				
121.	Types of web sites News Websites	Students will be able to distinguish News Websites from other web sites.	Lecture and Practical	Define News Website.	Write URLs of 10 News websites in your notebooks.	
122.	Types of web sites Informational Websites	Students will be able to distinguish Informational Websites from other web sites.	Lecture and Practical	What is informational website?	Write URLs of few well-known informational websites.	
123.	Types of web sites Educational Websites	Students will be able to distinguish Educational Websites from other web sites.	Lecture and Practical	What is Educational Website?	Write URLs of some educational websites.	
124.	Types of web sites Personal, business and	Students will be able to distinguish personal, business and	Lecture and Discussion	What we have in a personal website? What we have in	Describe Personal, Business and Entertainment websites in your own words.	

	entertainment Websites	entertainment Websites from other web sites.		a business website? What we have in an entertainment website?		
125.	Introduction to HTML	Students will be able to understand what html is and why we use HTML.	Lecture and Discussion	What html stands for? Why we use html?	Write a short note on HTML.	
126.	Creating and displaying HTML Document	Students will be able how to create and display html document.	Lecture and Practical	Tell me basic structure of HTML page?	Create a web page displaying “Pakistan Zinda Baad”	
127.	Tags used to Mark-Up HTML Elements	Students will be able to understand basic tags used in the HTML document	Lecture and Practical	Why we use html tag <html></html>? Why we use head tag <head></head>? Why we use body tag	Create a web page displaying “Class 10” on the title bar and Computer science in the browser.	

				<body></body>?		
128.	Text Formatting	Students will be able to understand basic text formatting tags used in the HTML document	Lecture and Practical	<p>Why we use paragraph tag?</p> <p>Why we use line breaks tag?</p> <p>How can we insert more than one spaces in HTML document?</p> <p>How can we use different level of headings in HTML documents?</p>	Design a page using paragraph, line break, headings/subheadings and space character.	
129.	Text formatting tags and their use Bold	Students will be able to understand why and how to use BOLD Tags.	Lecture and Practical	Why we use bold tag?	Design a page using BOLD tags.	
130.	Underline tag	Students will be able to	Lecture and Practical	Why we use underline tag?	Design a page using underline tags.	

		understand why and how to use Underline Tags.				
131.	Italic tag	Students will be able to understand why and how to use Italic Tags.	Lecture and Practical	Why we use italic tag?	Design a page using italic tags.	
132.	Font size tag	Students will be able to understand why and how to use Font size Tags.	Lecture and Practical	Why we use font tag?	Design a page using font size tags. Font size: 5	
133.	Font color tag	Students will be able to understand why and how to use Font color Tags.	Lecture and Practical	Why we use font color tag?	Design a page using font color tags. Font color: Blue	
134.	Font face tag	Students will be able to understand why and how	Lecture and Practical	Why we use font face tag?	Design a page using font face tags. Use font face: Times new romans	

		to use Font Face Tags.				
135.	Creating list in HTML Types of list	Students will be able to understand types of list	Lecture and Discussion	Name and briefly describe most commonly used lists in HTML.	Explain most commonly used lists in HTML.	
136.	Creating list in HTML Creating an Unordered list	Students will be able how to create an unordered list in HTML page.	Lecture and Practical	Write the format of unordered list.	Design a web page displaying unordered list.	
137.	Creating list in HTML Creating an ordered list	Students will be able how to create an ordered list in HTML page.	Lecture and Practical	Write the format of ordered list.	Design a web page displaying ordered list.	
138.	Creating list in HTML Creating a definition list	Students will be able how to create a definition list in HTML page.	Lecture and Practical	Write the format of definition list.	Design a web page displaying a definition list.	
139.	Creating list in HTML Creating a	Students will be able how to create a nested list in HTML	Lecture and Practical	Write the format of nested list.	Design a web page displaying nested list.	

	nested list	page.				
140.	Images and Backgrounds Adding image in a web page	Students will be able how to add an image in HTML page.	Lecture and Practical	Write the format of adding image.	Design a web page displaying an image.	
141.	Images and Backgrounds Adding border to an image in a web page	Students will be able how to Add border to an image in a web page	Lecture and Practical	Write the format of Adding border to an image in a web page	Design a web page displaying an image with border.	
142.	Images and Backgrounds Specifying image size in a web page	Students will be able how to Specify image size in a web page	Lecture and Practical	Write the format of Specify image size in a web page	Design a web page displaying an image having width=250 and height=200.	
143.	Images and Backgrounds Applying Background and Foreground colors	Students will be able how to Apply Background and Foreground colors to a web page	Lecture and Practical	Write the format of applying Background and Foreground colors	Design a web page Background=Pink and foreground= black.	
144.	Images and	Students will be able how to	Lecture and	Write the format of	Design a web page with a background	

	Backgrounds Applying Background Image	Apply Background image a web page	Practical	applying Background image	image.	
145.	Hyperlinks Creating a hyperlink to a page	Students will be able to define hyperlinks and how to create hyperlinks to a web page	Lecture and Practical	Write the format of creating hyperlink to a page	Design a web page having hyperlinks of some other web pages.	
146.	Hyperlinks Creating a hyperlink within a page	Students will be able to create hyperlinks within a web page	Lecture and Practical	Write the format of creating hyperlink within a page	Design a web page having hyperlinks within the page.	
147.	Hyperlinks Creating a graphical hyperlink	Students will be able to create graphical hyperlinks	Lecture and Practical	Write the format of creating graphical hyperlink	Design a web page having graphical hyperlinks.	
148.	Creating tables	Students will be able to create tables in Html documents	Lecture and Practical	Write the format of creating table.	Design a web page having class 10 time table.	

149.	Creating Frames Frame, Frameset	Students will be able to define frame and frameset.	Lecture and Practical	What is frame? What is frameset?	Write the definition of Frame and frameset in your notebook.	
150.	Creating Frames Creating a frameset	Students will be able to define frame and frameset and how to create vertical frameset.	Lecture and Practical	Write the format of creating vertical frameset.	Design a web page having vertical frameset.	
151.	Creating Frames Creating a frameset	Students will be able to define frame and frameset and how to create horizontal frameset.	Lecture and Practical	Write the format of creating horizontal frameset.	Design a web page having horizontal frameset.	
152.	Revision of Unit 7					
153.	Test in Unit 7					