

I PU Computer Science Blue-Print - 2022

No.	Chapter Name	1 Mark	2 Marks	3 Marks	5 Marks	Marks
1	Overview of computer 8 Hrs	2	1		1	09
2	Input, Output and Memory devices 8 Hrs		1	1	1	10
3	Data Representation 9 Hrs	1		1	1	09
4	Software Concepts 5 Hrs	1	1	1		06
5	Problem Solving Methodology 15 Hrs	1	1	1	2	16
6	Object oriented concepts 2 Hrs	1	1			03
7	Introduction to C++ 12 Hrs	1		1	2	14
8	Data types 2 Hrs		1			02
9	Input and Output operators 4 Hrs	1		1		04
10	Control Statements 10 Hrs	1		1	2	14
11	Arrays 8 Hrs	2		1	1	10
12	Functions 2 Hrs		1			02
13	User defined Functions 8 Hrs	1	1		1	08
14	Structures 2 Hrs	1	1			03
15	Word Processing 5 Hrs		1	1		05
16	Spreadsheets 15 Hrs	1		1	2	14
17	Web Designing 5 Hrs	1			1	06
	TOTAL	10/15	5/10	5/10	7/14	70/135
		10x1=10	5x2=10	5x3=15	7x5=35	

**I PUC ANNUAL EXAMINATION
MODEL QUESTION PAPER-2022**

Subject: COMPUTER SCIENCE

Subject Code:(41)

Time: 3.15 Hours

Max. Marks : 70

Total No. of Questions: 49

PART-A

I. Answer any TEN questions. Each question carries 1 mark

10 x 1 = 10

- 1) Who is called the father of computer?
- 2) Mention the component used in III generation of computers.
- 3) Define LSB.
- 4) What is a compiler?
- 5) What is debugging?
- 6) What is polymorphism?
- 7) Define a constant.
- 8) Which operator is used with 'cin' in C++?
- 9) Define looping.
- 10) What is an array?
- 11) Give the declaration syntax for single dimensional array.
- 12) What is a user-defined function?
- 13) What is meant by array of structures?
- 14) Name the popularly used spread sheet application.
- 15) What is web page?

PART-B

II. Answer any FIVE questions. Each question carries 2 marks

5 x 2 = 10

- 16) Briefly explain the application of Computers in education.
- 17) Give the difference between primary and secondary memory.
- 18) What is multiprogramming operating system? Give an example.
- 19) Write any two characteristics of algorithm.
- 20) Give any two applications of OOP.
- 21) List different data types in C++.
- 22) Mention any two functions of <math.h>.
- 23) Compare call by value and call by reference.
- 24) Which operator is used to access members of a structure? Give an example.
- 25) Write any two alignment options used in word processor.

PART-C

III. Answer any FIVE questions, each question carries 3 marks:

5 x 3 = 15

- 26) Write a short note on Hard disk.
- 27) Convert $89_{(10)}$ to binary and to octal.
- 28) Compare CUI and GUI.
- 29) Write an algorithm to find area of a circle.
- 30) Explain relational operators in C++.
- 31) What is cascading of input and output? Explain with examples for each.
- 32) What are jumping statements? Explain break statement with an example.
- 33) Give the declaration syntax and example for one dimensional array.
- 34) Explain any three options of the formatting toolbar in Word Processing.
- 35) Explain the use of any three mathematical functions with suitable examples in Electronic Spreadsheet.

PART-D

IV. Answer any SEVEN questions, each question carries 5 marks :

7 x 5 = 35

- 36) Explain functional units of a computer with neat block diagram.
- 37) Differentiate between impact and non-impact printers.
- 38) Subtract $83_{(10)} - 36_{(10)}$ using 2's complement method.
- 39) Define a) **Syntax Error** b) **Semantic Error** c) **Logical Error** d) **Runtime Error** e) **Testing**
- 40) What is a flowchart? Explain any four symbols.
- 41) Explain the structure of C++ program.
- 42) What are escape sequence characters? Explain any four escape sequence characters in C++.
- 43) Explain if else construct with syntax and example in C++.
- 44) Differentiate while and do-while loop in C++.
- 45) Define two-dimensional array. Give the declaration syntax and initialisation of two-dimensional array.
- 46) Explain the working of function with argument and with return value.
- 47) Explain any five arithmetic functions in Electronic Spreadsheet.
- 48) Mention the features of spreadsheet.
- 49) Write the general structure of HTML program. Give an example.

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