

First PUC Annual Examination, January-February, 2019

Subject : COMPUTER SCIENCE [41]

Time : 3 Hours 15 min

Max. Marks : 70

Part - A

NOTE :- 1. Answer all the following questions.

10X1=10

2. Each questions carries ONE marks.

1. Write the full form of UNIVAC?
2. Give an example for secondary memory?
3. Define coding?
4. What is an identifier?
5. Write the insertion operator used in C++.
6. Name any one multiple branching statement in C++.
7. What is the data type of an array subscript?
8. What is the purpose of return statement in a function?
9. What is a header in a Word document?
10. Define a cell in a Spreadsheet.

Part - B

NOTE :- 1. Answer any FIVE of the following questions.

5X2=10

2. Each questions carries TWO marks.

11. Give the classification of computers based on size and capability.
12. Mention any two input devices used in digital computers.
13. List the function of an Operating System.
14. Write the syntax for the simple if statement.
15. What are the Characteristics of OOPs?
16. Name the standered data types used in C++.
17. What is the purpose of the functions
isalpha()
strlen()
18. Write the short cut keys for CUT and COPY operations in a word processor.

Part - C

NOTE :- 1. Answer any FIVE of the following questions.

5X3=15

2. Each questions carries THREE marks.

19. Write the classification of printers.
20. Convert 45_{10} to binary, octal and hexadecimal.
21. Define : Linker
Loader
Compiler
22. Write the purpose of any three symbols used in flowcharts.

23. Explain ternary operator in C++ with an example.
24. What is the purpose of setw(), setprecision() and endl statements in a C++ program?
25. Define an array. Mention the Types.
26. Write the declaration of a structure to store student data.

Part - D

NOTE :- 1. Answer any SEVEN of the following questions.

7X5=35

2. Each questions carries FIVE marks.

27. Explain the uses of computers in the field of education and business.
28. Subtract 19_{10} from 27_{10} using 2's complement subtraction.
29. Write an algorithm to find area and circumference of a circle.
30. Explain the structure of a C++ program with an example.
31. What are jump statements? Explain the types.
32. Explain the working of 'for' statement in C++ with an example.
33. Give an example to initialize a 2D array and write its memory representation.
34. Explain "Function with argument and return value" with an example.
35. What is a spreadsheet? Write any four application areas of a Spreadsheet.
36. Explain any five built-in function used in a Spreadsheet.
37. What is e-mail? What are its advantages and disadvantages?

