MODEL QUESTION PAPER FOR SUMMATIVE ASSESSMENT - 1
I P.U.C. COMPUTER SCIENCE

Time : 3 hours 15 minutes Max Marks : 70

PART A

I Answer any NINE of the following questions 9 X 1 = 9

1. Expand UNIVAC
2. Name any one output device
3. Who is the father of computer?
4. Convert 28 in decimal to binary.
5. Define problem solving.
6. What is stepwise refinement?
7. What is a variable?
8. a=5, b=6 c=a>b?a:b; what is the value of c?
9. What is information?
10. Give any one example for single user operating system.
11. What is folder?

PART B

II Answer any FIVE of the following questions. 5 X 2 = 10

12. Mention any two features of first generation computers.
13. What is OMR explain.
14. Write the logic diagram and truth table for AND gate.
15. What is the difference between verification and validation?
16. Write the basic data types in C.
17. Write any two advantages of DBMS.
18. Give any two applications of spread sheet.

PART C

III Answer any FOUR of the following questions. 4 X 4 = 16

19. Name different types of printers. Explain any one.
20. Subtract $25_{(10)} - 24_{(10)}$ using 2's complement method.
21. Realise NOT, AND, OR gate using NAND gate.
22. What is the sequence of steps involved in debugging a program?
23. Explain the structure of C Program?

OR

Explain if-else statement with an example.

24. Explain the formatted input and output functions with suitable programming example.

PART D

IV Answer any Four of the following questions. 4 x 5 = 20

25. Discuss the working of hard disk in detail
26. Explain the role of computer in communication.
27. Convert $33.635_{(10)}$ to binary, octal and hexadecimal.
28. State and prove Demorgan's theorem.
29. Compare high level and low level language.
30. Explain UNIX operating system.

PART E

V Answer any Three of the following questions. 3 x 5 = 15

31. Explain the following terms Syntax, Source program, Object code, Documentation, Modularity.
32. Write a flow chart to find the sum of the digits of a number.

    Or

    Write an algorithm to generate N Fibonacci numbers.
33. What is an expression? Explain with example.
34. Compare while and do while statements in C.
35. a) What are escape sequence?
    b) Evaluate x = - (5%10+6*5) + (40/2+7*3)

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