Date: *SUBJECT: COMPUTER SCIENCE*

II PUC
Mock paper 1

Timings Allowed: 3 Hrs15Minutes   *Total Marks: 70*

PART A

I. Answer all the questions.   **10 X 1 = 10**

1. Expand USB.

2. Give the standard symbol for OR gate.

3. What is a Binary tree?

4. What is a member functions?

5. Mention any one advantage of pointers.

6. Define Database.

7. Expand 2G.

8. What is chatting?

9. Define E-Commerce.

10. What is HTML?

PART B

II. Answer any *Five* of the questions.   **5 X 2 = 10**

11. Draw a general K-map for four variable A, B, C and D

12. Give the symbolic representation and truth table of XOR gate.

13. Mention different access specifiers used in a class.

14. Define Destructors.

15. List the different file opening mode.

16. Define Data mining.

17. Give the syntax and example for Insert command.

18. What is a repeater?

PART C

III. Answer any *Five* of the questions.   **5 X 3 = 15**

19. List different components of North Bridge.

20. State De-Morgans theorems.

21. Explain the memory representation of stack Urey ID array. .

22. What is the effect of ++ and – operators on pointer variable?

23. Discuss the file stream class defined inside fstream.h header file.

24. Mention the applications of database.

25. Explain Web hosting.

26. Explain URL.

PART D

IV. Answer any *Seven* of the questions.   **7 X 5 = 35**

27. What is meant by universal gate? Explain with an example.

28. Write an algorithm to insert an element at the beginning of a linked list.

29. Convert (A + B) * (C + D) – E to postfix expression.

30. Explain Polymorphism.

31. Explain how an array of objects can be defined.

32. Explain Inline functions with syntax and example.

33. Explain the rules for writing a constructor function.

34. What is visibility mode? What is its role?

35. Explain Normalization with classifications and example.

36. Explain SQL operators.

37. Explain various networking devices used.

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