Date: 2019-2020   *SUBJECT: Computer Science*

I PUC
MOCK PAPER (2019)

Timings Allowed: 3H 15Mins.   *Total Marks70*

PART - A

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

1. What is Von Neumann concept also called as?
2. Expand MICR
3. What is problem solving?
4. Define constant.
5. What is cascading?
6. Define branching.
7. What is zero base indexing?
8. What are actual arguments?
9. What are the standard alignments used in word processing?
10. Define cell.

PART - B

Answer *any five* **of the following**   **5 X 2 = 10**

11. Expand   **a.** ENIAC   **b.** UNIVAC
12. Compare hard copy and soft copy.
13. Mention the various types of software.
14. What are various basic programming constructs?
15. What are various applications of OOPs.
16. Mention the different data types in C++.
17. Compare strcmp() and strcmpi() fnctions.
18. Differentiate between **cut-paste** and **copy- paste**.

PART - C

Answer *any five* **of the following**   **5 X 3 = 15**

1. Differentiate between RAM and ROM.
2. Subtract $(48)_{10}$ from $(59)_{10}$ using 2's compliment method.
3. What are the features of UNIX operating system?
4. Explain various stages of problem solving techniques.

5. Summarize the rules for naming an identifier.

6. Explain input and output operators with suitable example.

7. What is an array? Explain different types of array.

8. Explain nested structures with an example.

PART – D

Answer *any seven* **of the following**   **7 X 5 = 35**

1. Explain the characteristics of computers.

2. Evaluate $(FADE)_{16} = (?)_{10} = (?)_8 = (?)_2$.

3. Draw a flowchart find factorial of a number.

4. Explain the detailed structure of C++ program with suitable example.

5. Explain switch structure with a suitable example.

6. Differentiate between while and do…while structures.

7. Write a C++ program to find sum of 2 matrices.

8. Explain structure of a function with a suitable example.

9. Explain applications of spread sheet.

10. Explain any 5 built-in functions in Excel.

11. Explain the structure of a HTML tag page with an example.

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