JAIN COLLEGE

463/465, 18th Main Road, SS Royal, 80 Feet Road, Rajarajeshwari Nagar,
Bangalore - 560 098

Date: / /2018   *SUBJECT: Computer Science*
I PUC
MOCK PAPER (2018)
Timings Allowed: 3H 15Mins.   *Total Marks70*

PART - A

Answer *all* the questions   **10 X <u>1</u> = 10**

1. What is Von Neumann concept also called as?

2. Define resolution of a monitor.

3. What is problem solving?

4. Define tokens.

5. What is the purpose of setw( )?

6. Define branching.

7. What is zero base indexing?

8. What are actual arguments?

9. What is the extension of word processing file?

10. Define cell.

PART - B

Answer *any five* of the following   **5 X <u>2</u> = 10**

11. What are the roles of computers in industry?

12. Compare dynamic RAM and static RAM.

13. Define operating system. Give its function.

14. What are basic programming construct?

15. Mention the advantages of OOP's.

16. What is a variable? Give its declaration.

17. Mention any 2 character functions.

18. Differentiate between **cut-paste** and **copy- paste**.

PART - C

Answer *any five* of the following   **5 X <u>3</u> = 15**

1. Differentiate between RAM and ROM.

2. Subtract $(25)_{10}$ from $(13)_{10}$ using 1's compliment method.

3. What are the features of UNIX operating system?

4. Explain various types of errors deducted during testing.

5. Summarize the rules for naming an identifier.

6. Explain cascading of input and output operators with suitable example.

7. Write the syntax and example of 2-D array declaration.

8. Explain the nesting of structures with an example.

PART – D

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

1. Explain the generations of computers.

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

3. Write an algorithm to find GCD of 2 numbers.

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 and average of 'N' numbers.

8. Define recursion. Explain various methods of invoking the function.

9. Explain any 5 mathematical functions in ESS.

10. Define workbook. Classify various types of built in functions in ESS.

11. Explain the various benefits of E-mail.