RS

# I PUC ANNUAL EXAMINATION - 2016

1

Time : 3.15 Hours | COMPUTER SCIENCE - 41 | Max. Marks : 70

## Part - A

**Note : i) Answer all the following questions.** **10 x 1 = 10**

**ii) Each question carries ONE mark.**

1. Which is the earliest computing device?
2. Expand OCR.
3. What is testing?
4. Define token in C++
5. Name the stream insertion operator.
6. What is selection statement?
7. How do you initialize one dimensional array?
8. What are Local Variables?
9. Define mail - Merge.
10. What is a cell in ESS

## Part - B

**Note : i) Answer any FIVE questions.** **5 x 2 = 10**

**ii) Each question carries TWO marks**

11. Write a note on pascaline.
12. Give the difference between hardcopy and soft copy.
13. Mention the types of softwares.
14. Write different types of Programming constructs.
15. Write any two characteristics of OOPS.
16. What is data type? Give an example.
17. How do you initialize a string? Give an example.
18. Give any two word processor softwares.

## Part - C

**Note : i) Answer any FIVE questions.** **5 x 3 = 15**

**ii) Each question carries THREE marks.**

19. Name any three secondary storage devices.
20. Add $(75)_{10} + (18)_{10}$ using binary addition.
21. Give any three types of operating systems.
22. Mention different types of errors.
23. Explain logical operators.
24. What is cascading of input / output operators? Give examples.
25. What is two-dimensional array? Write its syntax with an example.
26. What is nested structure? Give an example.

(P.T.O.)

## Part - D

**Note : i) Answer any SEVEN questions.**

**ii) Each question carries FIVE marks.** **7 x 5 = 35**

27. Discuss the features of First generation computers.
28. How do you form 1's compliment of a binary number? Subtract $(26)_{10}$ from $(56)_{10}$ using 1's compliment subtraction method.
29. Write a flow - chart to find the factorial of a number.
30. Write the general structure of C++ program and explain any three components.
31. Explain Nested if-else - if statement general format with suitable example.
32. Write an algorithm to find the area and circumference of a circle.
33. Write a program segment to read and write the elements of one - dimensional array of size N.
34. Explain the structure of a function with an example.
35. Write any five formatting options in ESS.
36. Write any five applications of ESS.
37. What is E-mail? Write its advantages.