



JAIN COLLEGE, J C Road Bangalore
Mock Paper January - 2017
I PUC- Computer Science (41)

Time: 3 Hours 15 Minutes

Max. Marks: 70

PART - A

- I. Answer all the following questions. Each question carries ONE mark. 1 × 10 =10**
1. What is Charles Babbage known as?
 2. Expand MICR?
 3. Expand LSB?
 4. What is software?
 5. What does syntax refer to?
 6. What is Polymorphism?
 7. What is meant by the term case sensitive?
 8. Define word processor?
 9. Give one example for spreadsheet application?
 10. Why the <marquee> tag is used?

PART - B

- II. Answer any FIVE questions. Each Question carries TWO marks. 2 × 5 =10**
11. What is the function of the output unit?
 12. Write a note on smart cards?
 13. Convert $0.3125_{(10)}$ to octal?
 14. What is multi-user or time-sharing system?
 15. Write the syntax for if-else statement?
 16. What is the difference between object and the class?
 17. What is the difference between the basic data types and modifiers?
 18. What are the basic requirements to create html program?

PART - C

- III. Answer any FIVE questions. Each Question carries THREE marks. 3 × 5 = 15**
19. Explain the concept of CD-ROM.
 20. List any 3 computer codes?
 21. Name any 3 different views of the operating system.
 22. Write a flow chart to generate factors of a number.
 23. Write any 3 advantages of OOP?
 24. Explain 3 logical operators.
 25. Explain the 3 types of modifiers?
 26. Explain nested list concept of html with example

PART - D

- IV. Answer any SEVEN questions. Each question carries FIVE marks. 5 × 7 = 35**
27. What is optical disk, list the types of it and explain any one type of it.
 28. Subtract $12_{(10)}$ from $15_{(10)}$ using 2's complement.
 29. Explain any 5 function of an operating system.
 30. Explain modularity and structured programming in detail.
 31. Discuss the role of arithmetic, relational and bitwise operators with an example.
 32. Explain the working of switch statement with its syntax and proper example.
 33. Give the general syntax of a function definition and explain its various parts with suitable example?

34. What is a structure? How is it defined and declared? Explain with an example?
35. Explain any 5 text functions used in spread sheet.
36. How to create hyperlink in html, write a program to explain that.
37. Explain the role of computer in the communication and education .
