Karnataka Board

1st PUC

Question Paper

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I P.U.C. ANNUAL EXAMINATION FEBRUARY-2020

SUBJECT : COMPUTER SCIENCE (41)

Time : 3 Hours 15 minutes | **Maximum Marks : 70**

PART - A

Answer ALL the questions. Each question carries ONE mark. 10x1=10

1. Expand the term ENIAC.
2. Define the resolution of a monitor.
3. Define stepwise refinement.
4. What is a Keyword ?
5. What is the purpose of setw () ?
6. Name the fixed execution loop.
7. Define two dimensional array.
8. Define recursion.
9. What is a footer ?
10. Give an example for spreadsheet application.

PART - B

Answer any FIVE of the following questions. Each question carries TWO marks. 5x2=10

11. Mention any two uses of Super computers.
12. Give the different types of ROM.
13. What is application software ? Give an example.
14. State any two characteristics of an algorithm.
15. Briefly explain Data Encapsulation.
16. What are data type modifiers ? Mention any one modifier in C++.
17. Mention any two string functions associated with the header file <string.h>
18. Write the difference between Save and Save as.

PART - C

Answer any FIVE of the following questions. Each question carries THREE marks. 5x3=15

19. Write any three differences between impact and non-impact printers.
20. Convert $195.625_{(10)}$ to Binary.
21. Explain the purpose of utility softwares.
22. Draw a flow chart to calculate Simple Interest.
23. Mention any three keywords.

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24. Explain cascading of Input/Output operations with suitable example.
25. Explain memory representation of one-dimensional array.
26. Define a structure. Write the declaration syntax with an example.

PART - D

Answer any SEVEN of the following questions. Each question carries FIVE marks. 7x5=35

27. Discuss the characteristics of a computer in detail.
28. Using 2's complement method, solve $83_{(10)} - 34_{(10)}$.
29. Explain 'while' construct with a flowchart.
30. Explain logical operators in C++.
31. Explain the working of 'switch' statement with a flowchart and an example.
32. Explain 'for' loop with syntax and example.
33. Write a C++ program to search an element in the array.
34. Explain the working of function with arguments and no return values with an example.
35. Write the steps involved in drawing a chart in spread sheet.
36. Explain any five built-in functions in ESS with example.
37. Explain any five basic tags in HTML.

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