

FIRST YEAR HIGHER SECONDARY EXAMINATION: MODEL QUESTION PAPER

Time: 2 Hours

Subject: - COMPUTER SCIENCE

Max.Mark:60

PART – I

Answer any 5 questions from 1 to 6. Each carries 1 score

1. Expand the term ENIAC
2. Name the register that holds the address of the next instruction to be executed
3. Name the flow chart symbol which has one entry flow and more than one exit flow
4. Which header file is used to include the function isupper() in C++ ?
5. The process of calling a function by itself is known as
6.is an attempt to acquire information such as username, passwords and credit card details by posing as the original website.

PART - II

Answer any 9 questions from 7 to 18. Each carries 2 score

7. Compare any two features of first and second generation of computer.
8. Write the 1's and 2's compliment of the binary number 10101.
9. Compare impact and non-impact printers.
10. Write any two advantages of algorithm.
11. Choose the valid identifiers from the following
(a) Roll no (b) num1 (c) for (d) _a2b
12. Write the general structure of C++ program.
13. List the data type modifiers in C++.
14. Compare Linear search and Binary search.
15. Define an array. Write the syntax to declare an array.
16. Distinguish between actual parameter and formal parameter.
17. List any four string handling functions in C++.

18. What is function prototype? Write down the format.

PART –III

Answer any 9 questions from 19 to 29. Each carries 3 score

19. Draw John Von Neumann architecture of the computer.

20. Convert the following numbers

(a) $(123)_8 = (\dots\dots\dots)_{10}$

(b) $(ABC)_{16} = (\dots\dots\dots)_2$

(c) $(1010111)_2 = (\dots\dots\dots)_8$

21. Construct the logical circuit for the Boolean expression $a'b+ab'$

22. List the different phases of problem solving

23. Explain about any three types of literals in C++

24. Predict the output if $x=5; y=2;$

(a) $x\%y$ (b) $x>y$ (c) $!(x==y)$

25. Write an algorithm for selection sort.

26. Distinguish between call by value and call by reference method used for function call in C++.

27. Describe the merits of modular programming.

28. Write a short note on (a) Modem (b) Hub (c) Router

29. Identify the different parts of the URL given below

<http://www.dhsekerala.gov.in/index.html>

PART D

Answer any 2 questions from 30 to 32. Each carries 5 score

30. (a) Give any two functions of an Operating System. (2)
(b) Differentiate freeware and shareware (3)
31. (a) Explain any two jump statements in C++. (2)
(b) Write C++ program to find the largest of three numbers. (3)
32. (a) What is network topology (1)
(b) Draw and explain any two topologies. (2+2)

Question Prepared at Cluster meeting held at Govt, Brennen HSS, Thalassery, Kannur-DT, for Thalassery Educational District.

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