2024

FYUGP B.A. 2ⁿᵈ Semester Examination

Subject : Statistics

Paper : SEC 0200703

(Basic Programming in C++)

Time : $1\frac{1}{2}$ *hour*   *Full Marks : 30*

1. Answer the following questions :   1x5=5

    (a)   Who developed C++?

    (b)   C++ is a superset of C. (State True or False)

    (c)   C++ introduced a new comment symbol _____ .

        (Fill in the blank)

    (d)   'C with classes' was named as C++ in the year

        (i) 1980   (ii) 1981

        (iii) 1982   (iv) 1983

        (Choose the correct option)

    (e)   Define algorithm.

2. Answer any five from the following questions :   5x2=10

    (a)   What are the features of C programming.

    (b)   Write two uses of void.

    (c)   State the difference between Compiler and Interpreter.

    (d)   What are the basic data types in C++.

    (e)   Define Input and Output Operator in C++.

    (f)   What is lostream File in C++.

    (g)   Write the applications of C++.

(h) Convert the following mathematical equiation into C expressions :

(i) $b^2 - 4ac$ (b) $\dfrac{\sigma_x + \sigma_y}{m + n}$

(i) What are the logical operators available in C.

(j) Discuss the increment operator in C.

3. Answer any Three from the following questions :   3x5=15

(a) Explain the operators in C.

(b) Define flowchrt. Which geometrical figures are used to make it.

(c) Write the basic structure of C programming.

(d) Write a C++ program to find the average of two numbers.

(e) Discuss the different C tokens with appropriate examples.

(f) Write the algorithm and flowchart to find the area of a triangle whose three sides are given.

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