B.Sc. DEGREE EXAMINATION,NOVEMBER 2018
II Year III Semester
Allied - Paper III
PROGRAMMING IN C++

Time : 3 Hours **Max.marks :60**

Section A $(10 \times 1 = 10)$ Marks

Answer any **TEN** questions

1. Mention the concept of OOPs.
2. Write the structure of C++.
3. Define variable.
4. What is the use of ceil() and floor() function.
5. Write the difference between break and continue statement.
6. Define function.
7. What is constructor?
8. What is the use of new operator?
9. Define inheritance.
10. What is type conversions?
11. How will you initialize an array?
12. Write the syntax of switch statement.

Section B $(5 \times 4 = 20)$ Marks

Answer any **FIVE** questions

13. Discuss the difference between object- oriented and procedure oriented programming.
14. Explain different types of constants available in C++.
15. Discuss function overloading.
16. How will you declare a class? Explain.
17. Explain operator overloading.
18. Write a C++ program to find total and average of five subject marks using class.
19. Write a C++ program to find mean and variance of various user inputs.

Section C $(3 \times 10 = 30)$ Marks

Answer any **THREE** questions

20. Explain various input and output function.
21. Discuss the operators available in C++.
22. Explain control statements.
23. Write a C++ program to find matrix multiplication.
24. Explain various types of inheritance.

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