Reg. No. : ....

Name : ....

III Semester B.Sc. Degree (CBCSS – Sup./Imp.)
Examination, November 2020
(2014 - '18 Admns.)
GENERAL COURSE IN COMPUTER SCIENCE
3A11CSC : Programming with C++

Time : 3 Hours   Max. Marks : 40

SECTION – A

1. One word answer :   (8×0.5=4)

   a) The operator _____ is called insertion or put to operator.

   b) _____ is a function which is invoked automatically when an object of that class is created.

   c) _____ function specifies the width of the output field.

   d) _____ statement repeats the loop after skipping the remaining statements.

   e) By default, the members of a class are _____

   f) _____ operator is used to free the memory space allotted by new operator.

   g) The technique of having different functions with same name but different parameters is called _____

   h) In C++, the return type of main() function is _____

SECTION – B

Write short notes on **any seven** of the following questions :   (7×2=14)

2. Give the definition for scope resolution operator.

3. What is a reference variable ?

4. Write difference between getline() and cin.

5. What is compile time polymorphism ?

6. What is meant by a pointer ?

7. What do you mean by inheritance ? Which are the different types of inheritance ?

8. Define pure virtual function.

9. State the importance of static data members.

10. What do you mean by destructors ?

11. What is an enumerated data type ?

SECTION – C

Answer **any four** of the following questions :   **(4×3=12)**

12. Explain classes and objects. How memory allocation is done when objects are declared ?

13. Explain the data types used in C++.

14. With the help of a program, explain function overloading.

15. Explain different access modifiers in C++.

16. What is the purpose of new and delete operators ?

17. What do you mean by abstract classes ?

SECTION – D

Write an essay on **any two** of the following questions :   **(2×5=10)**

18. Explain how run time polymorphism is implemented in C++.

19. What is operator overloading ? Explain the rules for overloading operators.

20. Write an essay about operators used in C++.

21. Discuss the significance of friend functions in C++, with sample program code.

—————————