SS – 403

III Semester B.A./B.Sc. Examination, Nov./Dec. 2018
(Semester Scheme)
(Repeaters)
(Prior to 2014-15) (2012-2013 and Onwards)
COMPUTER SCIENCE – III
OOPs Using C++ and DBMS

Time : 3 Hours Max. Marks : 70

BMSCW

SECTION – A

Answer **any ten** questions : **(1×10=10)**

1. Define class and object.
2. Write the difference between = and = =
3. Which are the manipulators used in C++ ?
4. Define inheritance.
5. What are tokens in C++ ?
6. Define stream in C++.
7. What is normalization ?
8. Define primary key.
9. What are views in SQL ?
10. Define schema and instance.
11. Define DBMS.
12. Define cardinality of a relation.

SECTION – B

Answer **any 5** questions : **(3×5=15)**

13. List the advantages of object oriented programming.
14. Explain the different string handling in-built functions available in C++.
15. Explain the difference between private, public and protected.
16. Explain the components of ER diagram.

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17. Explain inline functions with example.

18. Explain the advantages of Database.

19. Write a note on Network model.

SECTION – C

Answer **any 5** questions : **(7×5=35)**

20. Explain the different data types used in C++.

21. a) What is a constructor ? **2**

    b) Explain constructor overloading concept with example. **5**

22. a) Explain operator overloading. **3**

    b) Write a program to find the sum of two matrices using '+' operator. **4**

23. Explain three schema architecture.

24. Explain DML Commands.

25. Explain and illustrate friend function with example.

26. Write note on :

    a) Distributed database. **3**

    b) Relational Algebra. **4**

27. Explain the different looping statements in C++.

SECTION – D

Answer **any one** questions : **(10×1=10)**

28. Explain the different types of inheritance with example.

29. Illustrate the first and second normal form in normalization.

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