D 90989 (Pages : 2) Name.....

Reg. No.....

THIRD SEMESTER M.A./M.Sc./M.Com. DEGREE (REGULAR) EXAMINATION NOVEMBER 2020

(CBCSS)

Computer Science

CSS 3C 12—OBJECT ORIENTED PROGRAMMING CONCEPTS

(2019 Admissions)

Time : Three Hours Maximum : 30 Weightage

General Instructions

1. *In cases where choices are provided, students can attend* **all** *questions in each Section/Part.*
2. *The minimum number of questions to be attended from the Section/Part shall remain same.*
3. *There will be an overall ceiling for each Section/Part that is equivalent to maximum weightage of the Section/Part.*

Section A

Answer any **four** *questions.*
Each question carries 2 *weightage.*

1. What is message passing in object oriented programming ?
2. What is the use of new operator in Java ?
3. How IP address is managed in Java programming ?
4. What is the difference between byte stream and character stream ?
5. Which classes can an applet extend ?
6. What is the purpose of database drivers ?
7. What is need for unified modelling language ?

(4 × 2 = 8 weightage)

Section B

Answer any **four** *questions.*
Each question carries 3 *weightage.*

8. Why Java is called as a platform independent ?
9. Write the different methods in Java to declare objects and write the peculiarities of each.
10. How an applet can be embedded in HTML page ?

Turn over

11. Write the differences between Japplet and applets.

12. Write the differences between ServerSocket and Socket in reference to their constructors.

13. Explain the purpose of 'finally' keyword in Java.

14. Write the life cycle of thread in Java.

(4 × 3 = 12 weightage)

Section C

Answer any **two** *questions.*
Each question carries 5 *weightage.*

15. Explain the primitive data types in java and compare it with the data types of any other programming language.

16. What do you mean by constructor in Object Oriented Programming ? Write the different constructors and its usage in Java.

17. Write importance of exception handling mechanism in Java, include sufficient examples in your explanation.

18. Identify the necessary classes for a Library automation system and draw a UML class diagram for it.

(2 × 5 = 10 weightage)