THIRD SEMESTER M.Sc. DEGREE (REGULAR/SUPPLEMENTARY) EXAMINATION, NOVEMBER 2021

(CBCSS)

Computer Science

CSS 3C 12—OBJECT ORIENTED PROGRAMMING CONCEPTS

(2019 Admission onwards)

Time : Three Hours   Maximum : 30 Weightage

General Instructions

1. *In cases where choices are provided, students can attend* **all** *questions in each section.*

2. *The minimum number of questions to be attended from the Section/Part shall remain the same.*

3. *The instruction if any, to attend a minimum number of questions from each sub section/sub part/ sub division may be ignored.*

4. *There will be an overall ceiling for each Section/Part that is equivalent to the maximum weightage of the Section/Part.*

Section A

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

1. What do you mean by information hiding in object oriented programming ?

2. Define a message in object oriented programming.

3. What is the use of finalize method in java ?

4. What is an abstract class ?

5. How exception is different from semantic errors ?

6. What is a resultset in JDBC ?

7. What is a deployment diagram ?

(4 × 2 = 8 weightage)

Section B

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

8. Write the role of virtual machine in Java.

9. Write a short note on destructors in Java.

Turn over

10. Write the importance of threads in modern computing Paradigms.

11. How can we use the start() method in java applets ?

12. Illustrate activity diagram in UML with an example.

13. Write a short note on the facilities available in Java for network programming.

14. What is the use of throw statement in exception handling ?

(4 × 3 = 12 weightage)

Section C

Answer any two questions.
Each question carries 5 weightage.

15. Explain the features of Java in detail.

16. Explain how inheritance is implemented in Java, include properexamples in your explanation

17. Differentiate Java application program and Java applet with suitable examples.

18. Explain how events are managed in Java swing. Explain with a simple example.

(2 × 5 = 10 weightage)