Reg. No. : ....

Name : ....

III Semester B.Sc. Degree (C.B.C.S.S. – O.B.E. – Regular/Supplementary/ Improvement) Examination, November 2024
(2020 to 2023 Admissions)
COMPLEMENTARY ELECTIVE COURSE IN COMPUTER SCIENCE FOR B.Sc. LIFE SCIENCES (ZOOLOGY) AND COMPUTATIONAL BIOLOGY
3C03 CSC-ZCB : Object Oriented Programming with Java

Time : 3 Hours   Max. Marks : 32

PART – A
(Short Answer)

Answer **all** questions. **Each** question carries **1** mark.   (5×1=5)

1. What is Bytecode ?

2. Define Encapsulation.

3. What is an Array ?

4. What are identifiers in Java ?

5. Give the use of break statement.

PART – B
(Short Essay)

Answer **any 4** questions, **not** exceeding **75** words. **Each** question carries **2** marks.   (4×2=8)

6. Give any three advantages of OOP.

7. What are objects ? How are they created from a class ?

8. Write any two features of Java in short.

9. List any three string functions in Java.

10. What do you mean by platform independence in Java ?

11. List a few areas of application of OOP technology.

P.T.O.

PART – C
(Essay)

Answer **any 3** questions, **not** exceeding **150** words. **Each** question carries
3 marks.   **(3×3=9)**

12. What are keywords and literals in Java ?

13. Write a simple Java program using if statement.

14. Write any three characteristics of OOP and explain in short.

15. Write a short note on any three types of operators in Java.

16. Explain how inheritance provides code reusability in Java.

PART – D
(Long Essay)

Answer **any 2** questions, **not** exceeding **300** words. **Each** question carries
5 marks.   **(2×5=10)**

17. What are control statements ? Explain any 3 control statements in detail with syntax.

18. Write a Java program to demonstrate the concepts class, methods and object in Java.

19. What are data types ? Give a brief note about various categories of data types in Java.

20. Write a program to find a number is odd or even.

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