

K23U 3565

Reg. No. :

Name :

III Semester B.Sc. Degree (C.B.C.S.S. – O.B.E. – Regular/Supplementary/
Improvement) Examination, November 2023
(2020 to 2022 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

SECTION – A
(Short Answer)

Answer **all** questions. **Each** question carries **1** mark.

1. Define object oriented programming.
2. Define bytecode.
3. What is java tokens ?
4. Define non primitive data type.
5. What are decision making statements ?

SECTION – B
(Short Essay)

Answer **any 4** questions, **not** exceeding **75** words. **Each** question carries **2** marks.

6. Explain runtime polymorphism.
7. Write a code "Hello World" in java.

P.T.O.



8. Define constants and how to declare constant ?
9. What do you mean by data ?
10. What is while loop in java and write the syntax.
11. Is String a class or data type in Java ?

**SECTION – C
(Essay)**

Answer **any 3** questions, **not** exceeding **150** words. **Each** question carries **3** marks.

12. Define Encapsulation.
13. What is the meaning of Immutable in terms of String ?
14. Explain the types of methods in java.
15. What is the advantage of Abstract class in Java ?
16. What are loops in java ? What are three types of loops ?

**SECTION – D
(Long Essay)**

Answer **any 2** questions, **not** exceeding **300** words. **Each** question carries **5** marks.

17. List the features of Java Programming language.
 18. Write about history of JVM.
 19. Explain the different types of operators in java.
 20. Explain continue statement in detail with example.
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