K22U 1792

Reg. No. : .....

Name : .....

III Semester B.Sc. Degree (C.B.C.S.S. – Regular)
Examination, November 2021
(2020 Admission)
(For B.Sc. Life Sciences (Zoology) and Computational Biology)
COMPLEMENTARY ELECTIVE COURSE IN COMPUTER SCIENCE
3C03CSC-ZCB : Object Oriented Programming with Java

Time : 3 Hours

Max. Marks : 32

PART – A
(Short Answer)

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

1. What is the purpose of JVM ?
2. What is the purpose of loop structure ?
3. Explain any one characteristics of OOPs.
4. What do you mean by inheritance ?
5. What is the output of a complied Java program ?

PART – B
(Short Essay)

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

6. Define Polymorphism.
7. Differentiate between division and modulus operators in Java.
8. How to create an array in Java ?
9. Explain variables in Java.
10. What are objects ? How are they created ?
11. Write a note on logical operators in Java.

P.T.O.

PART – C
(Essay)

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

12. Write a program to print the multiplication table of a number.
13. Explain different relational operators in Java.
14. Write down the rules for creating an identifier in Java.
15. Differentiate between one-dimensional and two-dimensional arrays in Java.
16. Explain the concept of data abstraction.

PART – D
(Long Essay)

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

17. Make a comparison between polymorphism and inheritance concepts in OOPs.
18. Differentiate between while and do-while loop structures.
19. Explain any 5 features of a Java Program.
20. Write a program to check whether a given number is palindrome or not.
