

K22U 3777

Reg. No. : .....

Name : .....

Third Semester B.Sc. Degree (CBCSS – OBE – Regular/Supplementary/  
Improvement) Examination, November 2022  
(2020 Admission Onwards)

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.

1. How to combine two conditions in Java ?
2. What is Inheritance ?
3. Write a note on any one application of OOP.
4. What is the size of an int data type ?
5. What are byte codes ?

PART – B  
(Short Essay)

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

6. Write a note on one-dimensional arrays in Java.
7. Explain do-while loop structure in Java.
8. Define identifiers in Java.

P.T.O.



9. Which are the fundamental data types in Java and write the keywords used to define each of it ?
10. Polymorphism is one of the important concepts in OOP. Your comment on this statement.
11. Explain any 2 string functions in Java.

PART – C  
(Essay)

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

12. What is a class in Java ? Write the syntax to define a class in Java.
13. Differentiate between class and object in Java.
14. Encapsulation and data abstraction are the two important concepts in OOP. Your comment on this statement.
15. Explain for loop structure in detail.
16. Explain simple if statement. Write a program in Java to check whether a given number is odd or even.

PART – D  
(Long Essay)

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

17. Explain any 5 features of Java Programming.
  18. Make a comparison between inheritance and polymorphism.
  19. Differentiate between identifiers and keywords. Whether the following words are valid identifier or not ?
    - a) \$abc123\_
    - b) abc&abc
  20. Explain switch-case statement in Java.
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