



Maximum

Avinashilingam Institute for Home Science and Higher Education for Women
 (Deemed to be University Estd. u/s 3 of UGC Act 1956, Category 'A' by MHRD)
 Re-accredited with 'A++' Grade by NAAC. Recognised by UGC Under Section 12B
 Coimbatore - 641 043, Tamil Nadu, India

Continuous Internal Assessment Test- I August 2024
Semester III

Class: II UG
Major: Computer Applications

Time: 2 Hrs
Maximum Marks:60

23BCAC06 Programming in Java

Course Outcomes:

1. Understand the concepts of OOP, knows the basic Java language features, types, control structures and arrays.
2. Identify classes, objects, members of a class and relationship among them to solve a specific problem.
3. Learned the implementation of packages to solve the complex problems and applying exceptional handling mechanisms.
4. Learned the various methods in string and string buffer class.
5. Knows how to develop the client side programming using Applet and AWT.

Part-A

Choose the correct answer

6x1=6

1. Which of the following is not a Java features? CO1K1
 a. Dynamic b. Architecture Neutral c. Use of pointers d. object-oriented
2. Identify the valid constant from the following: CO1K3
 a. 17 80 b.\$20 c.-345 d.1,290
3. In Java which method is automatically called when an object is created? CO2K2
 a. start() b. main() c. init() d. constructor()
4. The static member functions _____ CO2K3
 a. can be called using class name b. can be called using program name
 c. can be called directly d. can't be called outside the function
5. The vector method _____ is used to remove all elements in a list. CO2K1
 a. removeAllElements() b. removeAllelements()
 c. removeAllElements() d. removeallelements()
6. Primitive data types can be converted into object types by using the _____. CO3K1
 a. Vectors b. Wrapper c. Enumerated d. Annotations

Part-B

3x6=18

Answer ALL Questions

Answer should not exceed 400 words or two pages

7. a. Write about Java program structure. CO1K1
 (or)
7. b. Discuss about the different types of variables with examples. CO1K1
8. a. Explain in detail about static members in Java. CO2K1
 (or)
8. b. Discuss vectors in Java with example. CO2K2
9. a. Explain the usage of **super** keyword with examples. CO3K1
 (or)
9. b. Write the difference between method overloading and method overriding. CO3K1

Part-C

3x12=36

Answer ALL Questions

Answer should not exceed 800 words or four pages

10. a. Explain the features of java. CO1K1
 (or)
10. b. Explain about various control statements in java with examples. CO1K2
11. a. What is an array? Discuss one dimensional and two dimensional arrays. Write a program to sort numbers using one dimensional array. CO2K3
 (or)
11. b. Discuss constructor and method overloading with examples. CO2K2
12. a. What is inheritance? Write in detail about types of inheritance with examples. CO3K2
 (or)
12. b. Write a program for method overriding. CO3K3
