Third Semester FYUGP Degree (Reg) Examination November 2025
KU3DSCCAP202 - OBJECT ORIENTED PROGRAMMING THROUGH JAVA
2024 Admission onwards

Time : 1.5 hours   Maximum Marks : 50

Section A

Answer any 6 questions. Each carry 2 marks.

1. What is object in Java? Give an example.

2. What are Command Line Arguments ?

3. What is the role of Thread.sleep() method?

4. Expand AWT and mention any two AWT component examples.

5. What interface does ArrayList implement in Java?

6. Write a program to find the area of a circle.

7. What are the differences between method overloading and overriding in java?

8. What is the parent class for all exceptions in java

Section B

Answer any 4 questions. Each carry 6 marks.

9. Explain the use of ArrayList and Vector in Java with suitable examples.

10. Explain the structure of the Java Collection Framework with examples.

11. Develop a Java program that checks whether a given string is a palindrome or not.

12. Describe method overriding with example

13. Explain exception hierarchy with a neat diagram.

14. What are the advantages of user defined exception?

Section C

Answer any 1 questions. Each carry 14 marks.

15. Discuss loop control structures. Give examples.

16. Discuss the two methods to implement thread synchronization in Java.