

COURSE CODE: DCAP501

COURSE TITLE: MODERN PROGRAMMING TOOLS & TECHNIQUES-I

Date of Exam:- 15 Sept

Session:- 1:30-4:30

Time Allowed : 3 hours

Max. Marks: 80

1. This paper contains 10 questions divided in two parts on 1 page.
2. **Part A is compulsory.**
3. **In Part B (Questions 2 to 10), attempt any 6 questions out of 9. Attempt all parts of the questions chosen.**
4. The marks assigned to each question are shown at the end of each question in square brackets.
5. Answer all questions in serial order.

Part A

Q1: Discuss the following:-

- (a) AWT
- (b) super constructor
- (c) Wrapper classes
- (d) Streams
- (e) Event Handling
- (f) ArithmeticException
- (g) Packages
- (h) Swings
- (i) Final Class
- (j) Class Inheritance

[2*10=20]

Part B

- Q2:** What are the basic features of java which makes java object oriented? **[10]**
- Q3:** Can we pass the value to the base class through derived class? If yes then give suitable example. **[10]**
- Q4:** Discuss the Applet Life Cycle in detail. **[10]**
- Q5:** Define different types of exception handling in java. **[10]**
- Q6:** Explain Runnable interface with the help of suitable example. **[10]**
- Q7:** Discuss the Event Delegation Model in detail. **[10]**
- Q8:** Elaborate all the different types of inheritance in java with suitable examples. **[10]**
- Q9:** How to read and write a text file in java? **[10]**
- Q10:** Explain any five methods of String class in detail. **[10]**