



Mid Term (Odd) Semester Examination October 2024

Roll no. 2292107

Name of the Course and semester: BCA 5th Semester

Name of the Paper: Android Programming

Paper Code: TBC-501

Time: 1.5 hour

Maximum Marks: 50

Note:

- (i) Answer all the questions by choosing any one of the sub questions
- (ii) Each question carries 10 marks.

Q1. (10 Marks)

a. What are the key features of Android? Explain its advantages over other mobile platforms. CO 1

OR

b. Describe the role of the Open Handset Alliance (OHA) in the development of Android. CO 1

Q2. (10 Marks)

a. Explain the architecture of Android with a focus on its components and their functionalities. CO1

OR

b. What is an Activity in Android? How do you create and start an Activity? Explain with help of diagram. CO2

Q3. (10 Marks)

a. Discuss how to create a Button and handle its click event in Android. CO2

OR

b. What is an Intent in Android? Why are Intents used in Android applications? CO3

Q4. (10 Marks)

a. Differentiate between Explicit Intent and Implicit Intent with suitable examples. CO3

OR

c. What are the different project files in an Android app? Explain the role of AndroidManifest.xml, MainActivity.java, and R.java. CO1

Q5. (10 Marks)

a. Explain the role of an Adapter in Android. What is an ArrayAdapter, and how does it work? CO2

OR

b. Compare and contrast JVM (Java Virtual Machine) and DVM (Dalvik Virtual Machine). CO2