

**DIPLOMA EXAMINATION IN ENGINEERING/TECHNOLOGY/MANAGEMENT/  
COMMERCIAL PRACTICE, NOVEMBER - 2022**

**SMART DEVICE PROGRAMMING**

[Maximum marks: 100]

(Time: 3 Hours)

**PART – A**

**Maximum marks : 10**

I (Answer *all* the questions in one or two sentences. Each question carries 2 marks)

1. Name any four mobile operating systems.
2. State the function of AVD.
3. Define activity.
4. Name any four layouts in android.
5. List any four event attributes.

(5 x 2 = 10)

**PART – B**

**Maximum marks : 30**

II (Answer any *five* of the following questions. Each question carries 6 marks)

1. Describe any six features of Android.
2. Describe the steps for creating AVD.
3. Differentiate between Implicit Intent and Explicit Intent.
4. Explain how to store data into external storage using file streams.
5. Write an Android code to create and insert data to SQLite database.
6. Compare inline, internal and external CSS.
7. Outline the steps to create a mobile applications using media files.

(5 x 6= 30)

**PART – C**

**Maximum marks : 60**

(Answer one full question from each unit. Each full question carries 15 marks)

**UNIT –I**

- III. (a) With an example code, describe the elements of *AndroidManifest.xml* file. (7)
- (b) Explain any four mobile technologies. (8)

OR

- IV. (a) Compare Apple IOS and Android. (8)  
(b) Describe the steps for installing Eclipse IDE. (7)

**UNIT-II**

- V. (a) Explain four main components of Android application. (8)  
(b) With neat diagram, explain the life cycle of an activity. (7)

OR

- VI. With an example, describe the steps for data passing between Intents. (15)

**UNIT-III**

- VII.(a) Explain basic views in Android with an example. (7)  
(b) Describe how to send SMS from Android application. (8)

OR

- VIII.(a) Summarize the steps to publish an Android application in Google playstore. (9)  
(b) List the advantages and disadvantages of content providers. (6)

**UNIT-IV**

- IX. (a) Describe the steps to embed JavaScript into a web page using suitable example. (9)  
(b) List the advantages of Phonegap technology. (6)

OR

- X. (a) Explain HTML5 layout tags. (9)  
(b) Explain various multimedia tags in HTML. (6)

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