

**DIPLOMA EXAMINATION IN ENGINEERING/TECHNOLOGY/
MANAGEMENT/COMMERCIAL PRACTICE, APRIL – 2023**

SMART DEVICE PROGRAMMING

[Maximum Marks: **100**]

[Time: **3 Hours**]

PART-A

[Maximum Marks: **10**]

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

1. List any two IDE's for Android Application development.
2. Write two features of Android.
3. State activity in Android.
4. State functions of bundle in Android.
5. Name any two multimedia tags in HTML5. (5 x 2 = 10)

PART-B

[Maximum Marks: **30**]

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

1. Explain steps to install Android studio IDE.
2. Explain the important files and folders in Android projects.
3. Compare Implicit Intents and Explicit Intents.
4. Describe broadcast receivers in Android.
5. Explain various default content providers in Android.
6. Explain how to style mobile pages with CSS3.
7. List advantages of phoneGap technology. (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. Describe AVD and write the steps for installing Android Virtual Device. (9)
b. Compare Android OS and iOS. (6)

OR

- IV. a. Describe the steps for installing Eclipse IDE. (9)
- b. Explain how to install Android SDK in Android studio. (6)

UNIT – II

- V. Explain lifecycle of an activity with neat diagram. (15)

OR

- VI. a. Explain various Android components. (7)
- b. Explain how to link two activities in Android application using intent. (8)

UNIT- III

- VII. a. Explain how SMS service working in Android. (9)
- b. Write advantages and disadvantages of content providers. (6)

OR

- VIII. Describe the steps to publish Android App in Google play store. (15)

UNIT - IV

- IX. a. Describe the procedure to create and call JavaScript function in a webpage. (9)
- b. Explain various multimedia tags in HTML5. (6)

OR

- X. a. Describe the procedure to create and use external style sheets. (9)
- b. Explain HTML5 event attributes. (6)
