

**DIPLOMA EXAMINATION IN ENGINEERING/TECHNOLOGY/
MANAGEMENT/COMMERCIAL PRACTICE, NOVEMBER – 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. Write the expansion for GSM and CDMA.
2. Define AVD.
3. Write the syntax of method used to start an activity which returns a result.
4. Which file is used to set permission for using SMS?
5. Write one advantage and disadvantage of native application and web application.

(5 x 2 = 10)

PART-B

[Maximum Marks: **30**]

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

1. Write short notes on SDK manager.
2. List the important folders and their use in android studio project.
3. Describe the steps to pass data from one activity to another using shared preference.
4. Explain about content providers.
5. Explain the steps to publish an android app in Google play store.
6. Write short notes on PhoneGap technology.
7. Create an HTML 5 form to input Name, Mobile number, email id and gender of a person.

(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. Explain the features and limitations of GSM mobile technology. (8)
- b. Describe about Apple IOS. (7)

OR

- IV. a. Write short notes on Eclipse IDE for android application development. (7)
b. Write the uses of androidmanifest.xml file. (8)

UNIT – II

- V. a. With diagram explain the life cycle of an Android activity. (8)
b. Describe how to return result from one activity to another in Android with example. (7)

OR

- VI. a. Write short notes on intents and their types. (8)
b. Write short notes on broadcast receivers. (7)

UNIT- III

- VII. a. Explain linear and table layout used in Android UI design. (6)
b. Write short note on option menu and explain how to create option menu with example in Android. (9)

OR

- VIII. a. Describe about any 4 storage technologies available in android. (10)
b. Write short notes on the following View - CheckBox, RadioButton. (5)

UNIT - IV

- IX. a. Write any four uses of JavaScript. Write the steps to insert an external JavaScript in a web page with example. (9)
b. Write short notes on native, hybrid and web application. (6)

OR

- X. a. Write short notes any six HTML 5 form tags with attributes. (9)
b. Write short notes on CSS and any four advantages of using CSS. (6)
