

**DIPLOMA EXAMINATION IN ENGINEERING/TECHNOLOGY/MANAGEMENT/
COMMERCIAL PRACTICE, NOVEMBER-2021**

SMART DEVICE PROGRAMMING

[Maximum marks: 75]

(Time: 2.15 Hours)

PART – A

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

1. Define AVD
2. List any two data passing mechanisms between activities.
3. Define views in android.
4. Name any two semantic tags in HTML5.
5. What is phoneGap? (3 x 2 = 6)

PART – B

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

1. Compare any 4 features of android studio and eclipse.
2. Explain steps to install android studio in Linux.
3. With example describe the types of intents in android.
4. Explain direct data passing between activities with example.
5. Discuss menu components in android with example.
6. Describe how SMS service is provided in android.
7. List and explain the multimedia tags in HTML5. (4 x 6= 24)

PART – C

(Answer *any of the three units* from the following. Each full question carries 15 marks)

UNIT –I

- III. (a) List and explain various folders and their files created by an android project. (8)
(b) Explain steps to create android virtual device in android studio and eclipse. (7)

OR

- IV.(a) List and explain any 4 mobile technologies. (8)

(b) Compare android with apple iOS. (7)

UNIT-II

V. (a) Define service in android. Describe the types of services. (8)

(b) Explain how activities are linked using bundle intent with example. (7)

OR

VI. (a) Draw the life cycle of an activity and explain. (8)

(b) With example explain broadcast receivers in android. (7)

UNIT-III

VII. (a) Describe steps to publish the developed application in Google Play Store. (8)

(b) Define Content Providers. State their advantages and disadvantages. (7)

OR

VIII.(a) List and explain any 4 layout systems in android. (8)

(b) Explain steps to read and write in internal memory of an android device. (7)

UNIT-IV

IX. (a) Mention features of HTML 5 for mobile application development. (8)

(b) Comment on the advantages of phoneGap. (7)

OR

X. (a) Describe how Java Script is used for mobile application development. (8)

(b) List and explain HTML 5 tags related to form handling. (7)
