TED (15) – 6133

(REVISION — 2015)

DIPLOMA EXAMINATION IN ENGINEERING/TECHNOLOGY/ MANAGEMENT/COMMERCIAL PRACTICE — APRIL, 2018

SMART DEVICE PROGRAMMING

[*Time* : 3 hours

(Maximum marks : 100)

PART — A

(Maximum marks : 10)

Marks

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

1. List any two IDEs for Android application development.

2. Define intent in Android.

3. State the function of bundle in Android.

4. List any two layouts in Android UI.

5. Write the HTML 5 code to create an input field accepting email address.   (5×2 = 10)

PART — B

(Maximum marks : 30)

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

1. Explain the steps to install Android Studio IDE.

2. Describe the steps to create AVD in Android Studio.

3. Describe how to return results from Android activity using intent.

4. Write an Android layout XML code to create a login form with following fields : username, numeric password and Login button.

5. Explain various default content providers in Android.

6. Compare inline and internal styles in CSS.

7. Write a short note on PhoneGap technology.   (5×6 = 30)

[207]   [P.T.O.

Marks

PART — C

(Maximum marks : 60)

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

UNIT — I

III (a) Explain the important files and folders in Android project.   9

    (b) Describe the features of 1G and 2G technologies.   6

OR

IV (a) Describe the steps for installing Eclipse IDE.   9

    (b) Compare Android OS and iOS.   6

UNIT — II

V Explain the life cycle of an Android activity with a neat diagram.   15

OR

VI (a) Describe how to pass data between activities using intent.   9

    (b) Explain how to link two activities in Android application using intent.   6

UNIT — III

VII (a) Explain various basic view components in Android UI.   9

     (b) Describe how to store data into internal memory using file streams.   6

OR

VIII (a) Write the Android code to add two numbers and display the result in a TextView.   9

     (b) Describe the steps to publish Android application in Google Play Store.   6

UNIT — IV

IX (a) Describe the steps to insert JavaScript code in a webpage with an example.   8

    (b) Explain various multimedia tags in HTML 5.   7

OR

X (a) Describe the procedure to create and use external stylesheets.   8

    (b) Discuss newly introduced layout tags in HTML 5.   7