TED (15) – 6133

(REVISION — 2015)

Reg. No. ....

Signature ....

DIPLOMA EXAMINATION IN ENGINEERING/TECHNOLOGY/ MANAGEMENT/COMMERCIAL PRACTICE — OCTOBER, 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 versions of Android operating system.

2.   Mention the function of Android SDK.

3.   State activity in Android.

4.   Write the XML code to create a text field accepting only numbers in Android.

5.   Name any two multimedia tags in HTML 5.   (5×2 = 10)

PART — B

(Maximum marks : 30)

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

1.   Compare Android OS and iOS.

2.   Explain the important files and folders in an Android project.

3.   Explain how to link activities using intent in Android.

4.   Describe broadcast receivers in Android.

5.   Compare TextView and EditText components in Android UI.

6.   Explain how to store data into external storage using file streams.

7.   List the advantages of PhoneGap technology.   (5×6 = 30)

[180]   [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)   Describe the steps for installing Eclipse IDE.   9

     (b)   Write a short note on Android OS.   6

Or

IV   (a)   Describe the steps for installing Android Studio IDE.   8

     (b)   Explain how to install Android SDK in Android Studio.   7

Unit — II

V   (a)   Explain the life cycle of an Android activity.   9

     (b)   Differentiate between implicit and explicit intents.   6

Or

VI   (a)   Explain various Android components.   8

     (b)   Describe how to return results from Android activity using intent.   7

Unit — III

VII   (a)   Explain different types of menus in Android UI.   8

     (b)   Describe how to send an SMS from Android application.   7

Or

VIII   (a)   Describe how to create and insert values in SQLite database.   8

     (b)   Write the Android code to validate a text password field ; password field should not be blank and length should be from 5 to 8.   7

Unit — IV

IX   (a)   Describe the procedure to create and call JavaScript function in a webpage.   8

     (b)   Explain any seven form input elements newly introduced in HTML 5.   7

Or

X   (a)   Describe the methods by which we can insert CSS code in webpages.   9

     (b)   Explain HTML 5 event attributes.   6

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