TED (15) – 6133

(REVISION — 2015)

Reg. No...

Signature ....

DIPLOMA EXAMINATION IN ENGINEERING/TECHNOLOGY/ MANAGEMENT/COMMERCIAL PRACTICE — APRIL, 2019

SMART DEVICE PROGRAMMING

[*Time* : 3 hours

(Maximum marks : 100)

Marks

PART — A

(Maximum marks : 10)

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

1. List any two mobile operating systems.

2. Define the term - Intent.

3. Write the use of Android manifest file.

4. State the basic difference between TextView and EditText.

5. Write the use of event attributes in HTML5.   (5×2 = 10)

PART — B

(Maximum marks : 30)

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

1. Write the steps to install Eclipse.

2. Describe the steps to create Android Virtual Device.

3. Describe the method to pass data between activities using intents with an example.

4. Describe Table, and Frame layouts of Android.

5. Write a short note on Android menu. Explain any two types of menu.

6. Explain any six font style properties in CSS3.

7. Describe any four advantages of PhoneGap.   (5×6 = 30)

[199]   [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 about Android SDK. Describe the steps to install Android SDK. 9

(b) Describe any four features of Apple iOS. 6

Or

IV (a) List and explain any four mobile technologies. 9

(b) Describe any four features of Android Studio. 6

Unit — II

V (a) Explain about different components of Android. 8

(b) With a suitable example explain the procedure to link activities using intents. 7

Or

VI (a) Explain about life cycle of activity in android with diagram. 9

(b) Describe the terms (i) Bundle, (ii) Implicit intent, (iii) Explicit intent 6

Unit — III

VII (a) Explain about internal data storage and its read and write operations. 9

(b) Explain about SQLite and database creation using SQLite in Android. 6

Or

VIII (a) Describe the uses of Button, Radio button, Image button, and Toggle button. 8

(b) Explain about content providers and various types of content providers. 7

Unit — IV

IX (a) List and explain any six HTML 5 Multimedia Tags for mobile applications. 8

(b) How CSS3 can be used for layout ? Explain. 7

Or

X (a) With a suitable example explain how to create a CSS style sheet. 8

(b) List and explain any five HTML 5 Layout tags for mobile applications. 7