

MODEL QUESTION PAPER

TED (15) – 6133
(REVISION 2015)

Reg. No :
Signature :

DIPLOMA EXAMINATION IN ENGINEERING/TECHNOLOGY/COMMERCIAL PRACTICE 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 mobile technologies.
2. Define Android service.
3. State the function of content providers in Android.
4. List any two menu components in Android UI.
5. Write the syntax to import external style sheet to a webpage.

(5x2=10)

PART – B
(Maximum marks: 30)

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

1. Explain the steps to install Android SDK in Android Studio.
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 registration form with following fields; name, email, gender and Register button.
5. Explain how to use SQLite to create a new database in Android application.
6. Discuss any five HTML 5 tags with attributes.
7. Write a short note on PhoneGap technology.

(5x6=30)

PART – C
(Maximum marks: 60)

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

UNIT – I

- III. (a) Explain the internal details of an Android application project. 9
(b) Discuss the steps to create AVD in Android Studio. 6

OR

- IV. (a) Explain the features of Eclipse IDE in professional software development. 9
(b) Write a short note on AndroidManifest.xml file in Android application. 6

UNIT - II

- V. (a) Explain the methods defined in activity base class which governs activity life cycle 8
(b) Explain broadcast receivers in Android. 7

OR

- VI. (a) Explain the operation of Android virtual device. 8
(b) Describe how two activities communicate in Android with an example. 7

UNIT – III

- VII. (a) Explain various layout systems in Android UI. 9
(b) Describe the procedure to retrieve data from external memory using file streams. 6

OR

- VIII. (a) Write the Android code to read two text fields (firstname, lastname) and display the concatenated text (fullname) in a TextView. 9
(b) Explain the advantages of content providers in Android. 6

UNIT - IV

- IX. (a) Describe the steps to link external JavaScript file in a webpage with an example. 8
(b) Explain various semantic tags in HTML 5. 7

OR

- X. (a) Explain the different ways to insert CSS code in a webpage. 8
(b) Create an HTML 5 form accepting following fields: Name, Email address, Phone number and Date of birth. 7