TED (15/19)6133
(Revision – 2015/19)

A24 - 2654

Reg. No……………………
Signature ………………….

DIPLOMA EXAMINATION IN ENGINEERING/TECHNOLOGY/ MANAGEMENT/COMMERCIAL PRACTICE, APRIL – 2024

SMART DEVICE PROGRAMMING

[Maximum Marks: **100**]   [Time: **3** Hours]

PART-A
[Maximum Marks: **10**]

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

   l. List any two versions of Android OS.

   2. Define Intent in Android.

   3. List advantages of Content Providers.

   4. List any two Layouts in Android UI.

   5. Write HTML 5 code to create an input field to accept a number.   (5 x 2 = 10)

PART-B
[Maximum Marks: **30**]

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

   l. Compare Android OS and iOS.

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

   3. Explain the important files and folders in Android project.

   4. Describe broadcast receivers in Android.

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

   6. List the advantages of PhoneGap technology.

   7. List any six layout tags in HTML5.   (5 x 6 = 30)

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

IV.   Explain the architecture of Android OS.   (15)

UNIT – II

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

OR

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

     b. Explain services in android.   (6)

UNIT- III

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

     b. Describe how to send an SMS from Android application.   (6)

OR

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

     b. Describe how to store data using shared preferences.   (6)

UNIT - IV

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

     b. Explain any three multimedia tags in HTML5.   (6)

OR

X.   a. Explain any six form input elements newly introduced in HTML5.   (9)

     b. Explain any three HTML5 event attributes.   (6)

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