

TED (15)-6133
(Revision- 2015)

A20-04030

Reg.No.....
Signature.

DIPLOMA EXAMINATION IN ENGINEERING/TECHNOLOGY/MANAGEMENT/
COMMERCIAL PRACTICE – APRIL -2020.

SMART DEVICE PROGRAMMING

(Maximum Marks :75)

[Time : 2.15 hours]

PART–A

Marks

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

1. List any two Mobile OS.
2. Define intent in Android.
3. List any two storage technology.
4. Write HTML5 code to create an input field to accept email address.
5. List any 4 android basic components.

(3x2=6)

PART - B

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

1. Compare Android OS and iOS.
2. Explain what is an activity. How activities are linked using intent.
3. Explain how SMS service is provided in Android.
4. List advantages and disadvantages of content provider.
5. Explain inline and internal styles in CSS.
6. Explain various multimedia tags in HTML5.
7. Explain about various android basic components.

[4x6 =24]

PART - C

(Answer **any of the three units** from the following. Each full question carries 15 marks)

UNIT I

III (a) Explain various mobile technologies. (10)

(b) Describe how Android virtual device is created. (5)

OR

- IV** (a) Explain steps to install Android studio IDE in windows. (9)
(b) Explain how to install Android SDK in Android studio. (6)

UNIT- II

- V** (a) Differentiate implicit and explicit intent with example. (10)
(b) Explain how to pass data between activities using direct method. (5)

OR

- VI** (a) Explain life cycle of an Android activity with a neat diagram. (10)
(b) Explain how to pass data between activities using bundle. (5)

UNIT- III

- VII** Describe how to store data into internal and external memory using file streams. (15)

OR

- VIII** (a) Explain various view components in android UI. (10)
(b) Describe the steps to publish Android application in Google Play Store. (5)

UNIT – IV

- IX** (a) Explain PhoneGap technology. (10)
(b) Discuss layout tags in HTML5. (5)

OR

- X** (a) Describe how to insert Javascript code in a webpage with an example. (9)
(b) Describe the procedure to create and use external style sheets. (6)
