

TCS-602**B. TECH. (CSE) (SIXTH SEMESTER)
MID SEMESTER EXAMINATION, 2018****MOBILE APPLICATION DEVELOPMENT****Time : 1 : 30 Hours****Maximum Marks : 50**

Note : (i) This question paper contains two Sections.

(ii) Both Sections are compulsory.

Section—A

1. Fill in the blanks/True-False : (1×5=5 Marks)

(a) Android app can be developed without using android studio. (True/False)

(b) Android app can be developed without using android SDK. (True/False)

(c) Gradle is build tool required to build android app in android studio. (True/False)

(d) The name of deployment descriptor file of android app is _____.

(e) The full form of APK is _____.

(2)

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2. Attempt any *five* parts : (3×5=15 Marks)
- (a) Explain Open Handset Alliance with name of any *three* participants.
 - (b) Explain android studio briefly.
 - (c) Write down the steps required to configure emulator in android studio.
 - (d) Explain SDK manager.
 - (e) Write a short note on AVD manager.
 - (f) Write down the steps required to deploy and run an android app in a real device.

Section—B

3. Attempt any *two* parts of choice from (a), (b) and (c). (5×2=10 Marks)
- (a) Explain Linux kernel with a neat diagram.
 - (b) Briefly explain any *five* libraries of android OS.
 - (c) Explain android runtime with a diagram.
4. Attempt any *two* parts of choice from (a), (b) and (c). (5×2=10 Marks)
- (a) Explain the process required to set up an environment for developing android app using eclipse.
 - (b) Explain the process required to set up an environment for developing android app using android studio.

(3)

- (c) Briefly explain any *five* application framework provided by android.
5. Attempt any *two* parts of choice from (a), (b) and (c). (5×2=10 Marks)
- (a) Write a program for an activity which displays "Hello !" on the center of device screen.
 - (b) Explain the runtime permission model of android OS.
 - (c) Explain the android manifest file in detail.

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