H Roll No. ....

TCS–602

B. TECH. (CS) (SIXTH SEMESTER) MID SEMESTER EXAMINATION, 2019

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) Full form of NDK is ....

   (b) SDK is a set of software development tools that allows the creation of applications for a certain software framework *or* software package.

   (True/False)

   (c) Android Studio is not the official IDE used for Android development.   (True/False)

   (d) Kotlin is the new official programming language for Android.   (True/False)

(e) We can't use 'C' and 'C++' to develop android application.   (True/False)

2. Attempt any *five* parts :   (3×5=15 Marks)

(a) What is SDK ?

(b) Write down six Member firms of OHA.

(c) What is zygote ?

(d) Write a short note on android marketplace/ play store.

(e) What is DVM ?

(f) Write a short note on JNI.

Section—B

3. Attempt any *two* parts of choice from (a), (b) and (c).   (5×2=10 Marks)

(a) Explain Android Architecture with diagram.

(b) Write down the advantages of using Linux Kernel in Android.

(c) What is ART ? When and why has it replaced DVM ?

4. Attempt any *two* parts of choice from (a), (b) and (c).   (5×2=10 Marks)

(a) What is NDK and how is it used in Android development ?

(b) Write down the steps to install Android Studio and SDK tools in Linux *or* windows.

(c) Write down the advantages of Android.

5. Attempt any *two* parts of choice from (a), (b) and (c).   (5×2=10 Marks)

(a) Explain about android manifest file.

(b) Write a java/kotlin code to print "hello world" in the center of the screen.

(c) Explain about adb and how is it used.