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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: $(1 \times 5 = 5 \text{ Marks})$
 - (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)

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- (e) We can't use 'C' and 'C++' to develop (True/False) android application.
- $(3\times5=15 \text{ Marks})$ 2. Attempt any five parts:
 - (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) $(5\times2=10 \text{ Marks})$ and (c).
 - (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). $(5\times2=10 \text{ Marks})$
 - (a) What is NDK and how is it used in Android development?

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(3)

- 1(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) $(5\times2=10 \text{ Marks})$ and (c).
 - (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.

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