

MORNING

[Total No. of Questions: 09]

28 NOV 2019

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Uni. Roll No.

Program/ Course: B.Tech. (Sem. 7, 8)

Name of Subject: Mobile Application Development

Subject Code: DEIT-14711

Paper ID: 15776

Time Allowed: 03 Hours

Max. Marks: 60

NOTE:

- 1) Section-A is compulsory
- 2) Attempt any **four** questions from **Section-B** and any **two** questions from **Section-C**
- 3) Any missing data may be assumed appropriately

Section – A

[Marks: 02 each]

Q1.

- a) How the lifecycle of an android activity works?
- b) What are the permissions in an android application?
- c) What is DDMS?
- d) How do you troubleshoot the android application which is crashing frequently?
- e) What is ADB?
- f) What is content provider and how to use it?
- g) What are the benefits of XML?
- h) What is a PNG₉ Image? How is it different from the normal PNG files?
- i) What is a View in Android?
- j) How to avoid the fragmentation in Android?

Section – B

[Marks: 05 each]

- Q2.** Design Android user interface using XML constants, styles, colors and referencing.
- Q3.** Elaborate in details about the seven rules for developing mobile strategy.
- Q4.** Describe Android Execution Environment. Compare Android 7.0 nougat with older versions.
- Q5.** What do you understand by Event? Explain the Event processing with the utilization of Event Listener and Event Handler through examples.
- Q6.** Describe spawning process and thread caveats in Android services.

Section – C [Marks: 10 each (05 for each sub-part, if any)]

- Q7.** Discuss the roles of Java Errors, Debugger, Logcat and Android Debug Bridge in Eclipse Java Editor.

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- Q8. How SQLite is and managed and packed with Android App? Describe the steps to modify the data using android application.
- Q9. Write short notes on a) Mobile Ecosystem, b) Android Studio2, c) Error elimination using XML editor, and d) Android Context Class

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