Sub Code: RCAE25

Paper Id: 214506 Roll No: | | | | | | | | | | | | | |

MCA
(SEM V) THEORY EXAMINATION 2019-20
MODERN APPLICATION DEVELOPMENT

Time: 3 Hours *Total Marks: 70*

Note: 1. Attempt all Sections. If require any missing data; then choose suitably.

SECTION A

1. Attempt *all* questions in brief. 2 x 7 = 14

a.	Write any four process to gather the Requirements for mobile application.
b.	Write any five design constraints for mobile application.
c.	Write the steps to create database in Firebase.
d.	What is the difference between simulator and emulator?
e.	What is core data in iOS?
f.	In which IDE swift code can written?
g.	What is the role of MainActivity in android?

SECTION B

2. Attempt any *three* of the following: 7 x 3 = 21

a.	How to achieve the quality constraints security in mobile application?
b.	How can you integrate the GPS in mobile application?
c.	Explain the architecture of android with an example.
d.	What is the difference between native mobile app design and responsive web design?
e.	Write the swift code for prime number.

SECTION C

3. Attempt any *one* part of the following: 7 x 1 = 7

(a)	Explain the Business drivers for mobile application.
(b)	

4. Attempt any *one* part of the following: 7 x 1 = 7

(a)	How touch events and gestures use in Android Mobile?
(b)	Explain the basics of Embedded System Design.

5. Attempt any *one* part of the following: 7 x 1 = 7

(a)	Specify the business model to design the application for multimedia.
(b)	Discuss the various cloud models.

6. Attempt any *one* part of the following: 7 x 1 = 7

(a)	Write the android code for database connectivity with MYSQL.
(b)	How JSON is used in android? Explain with an example.

7. Attempt any *one* part of the following: 7 x 1 = 7

(a)	How can you integrate the calendar and address book in iOS?
(b)	How does MVC works? Explain with an example.

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