Reg. No. | | | | | | | | |

MANIPAL INSTITUTE OF TECHNOLOGY
MANIPAL
A Constituent Institution of Manipal University

V SEMESTER B.TECH. (COMPUTER SCIENCE AND ENGINEERING)
END SEMESTER MAKEUP EXAMINATION, DEC/JAN 2017

SUBJECT: MOBILE APPLICATION DEVELOPMENT [CSE 4027]
REVISED CREDIT SYSTEM
(03/01/2017)

Time: 3 Hours   MAX. MARKS: 50

Instructions to Candidates:

❖ Answer **ALL** the questions.
❖ Missing data may be suitable assumed.

1A.	Explain the three distinct components of physical ecosystem of mobility.	**3M**
1B.	Explain the android runtime environment & application layer of android platform architecture.	**3M**
1C.	What is Content provider? Explain how you will implement a content provider.	**4M**
2A.	Explain all the callbacks in Service Lifecycle?	**3M**
2B.	Explain all steps to create and send notifications with proper syntax.	**4M**
2C.	Explain Toast. Write a program to display a toast message "how are you" on clicking a button.	**3M**
3A.	Difference between service and broadcast receiver.	**3M**
3B.	Write a code snippet to rotate an image in imageView.	**2M**
3C.	(i) How to create a DrawableView class? (ii) What is an interpolator? Mention all interpolator class.	**5M**
4A.	What are the various fields in a typical result that a geocoder returns?	**3M**
4B.	How to get an updated location using location based service?	**2M**
4C.	Explain how to create, insert and fetch data from SQLite database.	**5M**
5A.	Explain all methods of HttpURL connection class.	**3M**
5B.	Explain the various methods of mobile application testing.	**4M**
5C.	Explain the ground work and configuration involved in publishing Android Apps.	**3M**