PARUL UNIVERSITY
FACULTY OF IT & COMPUTER SCIENCE
<<Parul Institute of Computer Application>>
<<BCA/IMCA>>2017–18Mid SemesterExamination

Semester: 6   **Date: (26/03/2018)**
Subject Code: (05101352/05301352)   **Time: (2hr)**
Subject Name: (Mobile Application Development)   **Total Marks: 40**

Instructions:
1. Figures to the right indicate full marks.
2. Make suitable assumptions wherever necessary.

Q.1	**Answer the following.**	**[10]**
(a)	1) What is API level? 2) What is Activity? 3) What is service?	[3]
(b)	1. Res folder contains java code.(T/F) 2. _____ is Configuration file for application. 3. Android is an open source and Window-based Operating System for mobile devices. (T/F) 4. AVD stand for _____. 5. What is the name of the folder that contains the androidMenifest.xml file? a) Menifests b) Java c) Res d) Layout 6. During an Service life-cycle, what is the first callback method invoked by the system? a)onStop() b) onStart() c) onCreate() d) onRestore() 7. HLR stands for? a) Home Location Register b) Home Locate Registry c) History Location Register d) History Locate Registry	[7]
Q.2	**Answer the following.**(2 or 3 mark questions)	**[10]**
(a)	1. List the feature of android. 2. List the component of android and explain any one.	[4]
(b)	1. List advantage and disadvantage of mobile computing. 2. Explain any five android layout attributes.	[6]

Q.3	Attempt any TWO.	[10]
1	Draw and explain android architecture.	[5]
2	Draw and explain life cycle of Activity.	[5]
3	Explain anatomy of android.	[5]
Q.4	Answer the following.	[10]
(a)	Create an android application to transfer data from one activity to another activity. [show java code, design, output and other file if it is changed]	[5]
(b)	Create an android application to create login activity (username, password). Validate username and password. If both are correct then move to next activity. [show java code, design, output and other file if it is changed]	[5]
	OR	
(b)	Create an android application to perform all basic arithmetic operation like addition, subtraction, multiplication and division. [show java code, design, output and other file if it is changed]	[5]