

PARUL UNIVERSITY
FACULTY OF IT & COMPUTER SCIENCE
BCA Winter 2019 – 20 Examination

Semester: 6
Subject Code: 05101352
Subject Name: Mobile Application Development

Date: 09/12/2019
Time: 2:00pm to 4:30pm
Total Marks: 60

Instructions:

1. All questions are compulsory.
2. Figures to the right indicate full marks.
3. Make suitable assumptions wherever necessary.
4. Start new question on new page.

Q.1 Answer the followings.**A. Answer / Define the following in short. (05)**

1. Define AVD.
2. What is Activity?
3. Explain Services in android.
4. What is Manifest file in android?
5. What is Mobile Computing?

B. Multiple choice type questions/ Give the sentence true or false. (Each of 01 marks) (10)

1. Which company developed android?
a) Apple b) Google c) Android Inc d) Nokia
2. Which of the following is not service method?
a) onBind() b) onStartCommand() c) onCreate() d) onStart()
3. HLR stands for _____.
4. AVD stands for _____.
5. If we want to create database using SQLite database which class we need to extends?
a) SQLiteDatabase b) SQLiteDatabase
c) SQLiteOpenHelper d) SQLiteOpenHelper
6. What Activity method you use to retrieve a reference to an android view by using the id attribute of a resource XML?
a) findViewById(int id) b) findViewById(String id)
c) findViewById(int id) d) retrieveResourceById(int id)
7. Which attribute in use to give hint in EditText
a) android:hint b) hint c) EditText:hint d) none
8. Res folder contains java code. (T/F)
9. Android is an open source and Window-based Operating System for mobile devices. (T/F)
10. In _____ XML file we can declare variable.

Q.2 Answer the followings. (3 Marks Questions.) (Any Five) (15)

1. Explain features of android.
2. Explain anatomy of android.
3. What is intent?
4. Explain use of manifest file in android.
5. Explain Broadcast Receiver in android.
6. What is Activity lifecycle?

Q.3 Answer the following. (5 Marks Questions)(Any three) (15)

1. What is Notification?
2. Explain type of menu with suitable example.
3. Explain EditText, ListView and AutoCompleteText.
4. What is Black Box Testing?

Q.4 Answer the following in detail.

A. What is SQLiteOpenHelper ? **(05)**

B.(1) Explain how to create notification in android with example. **(05)**

B.(2) Draw and explain android architecture. **(05)**

OR

B.(1) Explain Layout in android. **(05)**

B.(2) How to create database and table? Explain with example. **(05)**