

PARUL UNIVERSITY
FACULTY OF IT & COMPUTER SCIENCE
BCA / IMCA Summer 2018 – 19 Examination

Semester: 6
Subject Code: 05101352/ 05301352
Subject Name: Mobile Application Development

Date: 16/04/2019
Time: 10:30am to 01:00pm
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. Write short notes.

(05)

1. What is API level?
2. What is Activity?
3. Give main difference between Option and Context menu.
4. What is SQLiteOpenHelper?
5. DVM stands for?

B. Do as Directed.

(10)

1. Which of the following is disadvantage of mobile computing?
[A] Cost
[B] Time
[C] Security
[D] None of the above
2. During an activity life-cycle, what is the first callback method invoked by the system?
[A] OnStop()
[B] OnStart()
[C] OnCreate()
[D] OnRestore()
3. _____ is Configuration file for application.
4. Res folder contains java code. (T/F)
5. Android is an open source and Window-based Operating System for mobile devices. (T/F).
6. Which of the following is not an Android component?
[A] service
[B] Activity
[C] Layout
[D] Content Provider
7. AVD stand for _____.
8. VLR stands for?
[A] Visitor Location Register
[B] Visit Locate Registry
[C] Visitor Locate Registry
[D] Visit Location Register
9. How to access resource in xml file?
[A] @resourcename/name
[B] R.resourcename.name
[C] @+resourcename/name
[D] none of the above
10. Which of the following is not a valid Android resource type?
[A] Drawable
[B] Mipmap
[C] style
[D] java

Q.2 Answer the followings. (Any five)

(15)

1. Write steps to publish application to store.

2. Explain popup menu in android.
3. Explain any five android layout attributes.
4. Explain explicit intent with example.
5. Draw and explain life cycle of service.
6. Explain use of manifest file in android.

Q.3 Answer the following. (Any three)

(15)

1. Draw and explain android architecture.
2. Explain mobile IP with example.
3. List User interface elements (controls) and explain any 3 elements.
4. Explain android resource types in details.

Q.4 Answer the following.

- A.** Explain how to create notification in android with example.

(05)

Create application which inserts value in “BCA” table which contain 4 columns (id, name,

- B.** surname, marks) and also view table content in alert dialog box using SQLite database. [show java code, design, output and other file if it is changed]

(10)

OR

Create application which updates values in “IMCA” table which contain 4 columns (id, name,

- B.** surname, marks) and also perform delete operation using SQLite database. [show java code, design, output and other file if it is changed]

(10)