

Seat No: _____

Enrollment No: _____

PARUL UNIVERSITY
FACULTY OF IT & COMPUTER SCIENCE
BCA / IMCA Summer 2021 – 22 Examination

Semester: 6

Subject Code: 05101352

Subject Name: Mobile Application Development

Date: 28/03/2022

Time: 10:30 - 01:00

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 menu?
2. What is SQLiteOpenHelper?
3. Give main difference between Option and Context menu.
4. What is Notification?
5. What is Service?

B. Do as Directed.

(10)

- 1.** How to access resource in xml file?

- [A] @resourcename/name
- [B] R.resourcename.name
- [C] @+resourcename/name
- [D] none of the above

- 2.** VLR stands for?

- [A] Visitor Location Register
- [B] Visit Locate Registry
- [C] Visitor Locate Registry
- [D] Visit Location Register

- 3.** Which of the following is not a valid Android resource type?

- [A] Drawable
- [B] Mipmap
- [C] style
- [D] java

- 4.** AVD stand for _____.

- 5.** Which of the following is not an Android component?

- [A] service
- [B] Activity
- [C] Layout
- [D] Content Provider

- 6.** Which of the following is disadvantage of mobile computing?

- [A] Cost
- [B] Time
- [C] Security
- [D] None of the above

- 7.** During an activity life-cycle, what is the first callback method invoked by the system?

- [A] OnStop()
- [B] OnStart()
- [C] OnCreate()
- [D] OnRestore()

- 8.** _____ is Configuration file for application.

9. Res folder contains java code. (T/F)

10. Android is an open source and Window-based Operating System for mobile devices. (T/F).

Q.2 Answer the followings. [Attempt Any 5]

(15)

1. Explain feature of android.
2. Explain implicit intent with example.
3. Explain use of manifest file in android.
4. Explain popup menu in android.
5. Draw and explain life cycle of service.
6. Write steps to publish application to store.

Q.3 Answer the following. [Any three]

(15)

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

Q.4 Answer the following.

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

(05)

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

- B. name, 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 “student” table which contain 4 columns (id,

- B. name, surname, marks) and also perform delete operation using SQLite database. [show java code, design, output and other file if it is changed] **(10)**