

PARUL UNIVERSITY
FACULTY OF IT & COMPUTER SCIENCE
BCA/ B.Sc.(IT) / IMCA/IMCA(AY-IV) Summer 2022-23 Examination

Semester:04/05/06

Date:20/03/2023

Subject Code: 05101352/05102352

Time: 10:30am to 1:00pm

Subject Name: Mobile Application Development

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. What is need of Content Provider?
2. Give use of android: Ems attribute.
3. _____ is call while database is created.
4. _____ method is use to pass data with intent.
5. R.java file store _____ of UI Component.

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

1. What year the Open Handset Alliance Announced?
a) 2005 b) 2007 c) 2009 d)2011
2. Android is built upon the Java micro edition(J2ME) version of Java. True/ False?
3. In Which Directory XML Layout Files Are Stored
a) /assets b) /src c) /res/values d) /res/layout
4. Which below is odd one with respect to android architecture?
a) Native Libraries b) Android Runtime
c) R.java d) Application Framework
5. _____ contains (mostly visual) UI elements to use on your Application screen.
a) Android.widget b) Android.content
c) Android.database d) Android.textVieW
6. Among the following options choose the one for which Android is based on Linux.
a) Networking b) Portability
c) Security d) All of the Given
7. All layout classes are the subclasses of _____.
a) android.widget b) android.view.View
c) android.view.ViewGroup d) None
8. Android Is Based On Which Kernal?
a) Linux b) Windows c) Mac d) Redhat
9. Choose the option which is contained in the src folder.
a) Manifest b) Java Source Code c) XML d) all given
10. ADB stand for _____.
a) Android Debug Bridge. b) Android Drive Bridge.
c) Android Delete Bridge d) Android Destroy Bridge.

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

1. Explain two different ways to insert data into database.
2. List out Component of Android. Explain at least 3 components.
3. Explain update() and upgrade() methods of SQLite.
4. What is need of AVD? Write steps to create AVD.
5. Write a code to change color of text in Text View using Java file.
6. What is SQLite? What is use of it? Explain at least two methods of SQLiteOpenHelper Class.

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

1. Explain Compilation Process of android in detail.
2. Write a code to create database and table in SQLite database.
3. What is Difference between Seek Bar and Rating Bar. Write a code for Rating Bar.
4. Write a note on Alert Dialog box. Explain with Program.

Q.4 Answer the following in detail.

- A.** What is Intent? What is difference between both types of Intent? Explain any one with example. **(05)**
- B. (1)** What is Service? Write a note on life Cycle of Service in detail. **(05)**
- B. (2)** Explain at least 5 attributes of Edit Text and Button. **(05)**

OR

- B. (1)** What is Activity? Write a note on life Cycle of Activity in Detail. **(05)**
- B. (2)** Write a note on Image View. Write a Program to show image on click event of button in Image View. **(05)**