

PARUL UNIVERSITY
FACULTY OF ENGINEERING & TECHNOLOGY
B.Tech. Summer 2022-23 Examination

Semester: VI
Subject Code: 203105359
Subject Name: Mobile Application Development

Date: 28/03/2023
Time: 10:30 am to 01:00 pm
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 Objective Type Questions - (Fill in the blanks, one word answer, MCQ - not more than five in case of MCQ) (All are compulsory) (Each of one mark) (15)

1. Android provides a few standard themes, listed in _____
 - A) R.style
 - B) X.style
 - C) manifest.XML
 - D) application
2. For creating user interface in Android, you have to use
 - A) Eclipse
 - B) Java and Xml
 - C) Java and SQL
 - D) Java and Pl/sql
3. What are return types of startActivityForResult() in android?
 - A) RESULT_OK
 - B) RESULT_CANCEL
 - C) RESULT_CRASH
 - D) A & B
4. Which of the following are different storage methods available in Android?
 - 1) Shared Preferences
 - 2) Internal Storage
 - 3) External Storage
 - 4) SQLite Databases
 - 5) Network Connection
 - 6) Intermediate storage
 - A) 1,2,3,4,6
 - B) 2,3,4,5,6
 - C) 1,2,3,4,5
 - D) All of above
5. Android supports which features.
 - A) Multitasking
 - B) Bluetooth
 - C) Video calling
 - D) All of the above
6. What is Broadcast Receivers?
7. How to launch an activity in android?
8. Where will you declare your activity so the system can access it?
9. What is an Intent?
10. What is a content provider in android?
11. Is it possible to use or add a fragment without using a user interface?
12. How do you remove icons and widgets from the main screen of the Android device?
13. Write note on Fragment
14. List all the SQLite Packages and Classes.
15. Write notes on Array Adapter.

- Q.2 Answer the following questions. (Attempt any three) (15)**
A) Examine Text Control and Button Control in Android
B) Differentiate Activities from Services.
C) Write an example program for Fragment.
D) Discuss about Content Providers in Android.
- Q.3 A) Explain about the JSON and its uses in android. (07)**
B) Discuss about SQLite Database with CRUD operations. (08)
OR
B) Discuss about the Shared Preferences in the android. With suitable example programs. (08)
- Q.4 A) Explain in detail about the Content Provider basics like Content URI and Uri Matcher class. (07)**
OR
A) Explain in detail about the Async Task and its methods (07)
B) Explain in detail about google API with snippets. (08)