

Roll No. :

Total No. of Questions : 11]

[Total No. of Printed Pages : 3

BFMS-447

M.Sc. (Final) Examination, 2023

COMPUTER SCIENCE

Paper - MCS-204 (C)

(Android Programming)

Time : 3 Hours]

[Maximum Marks : 50

Section-A

(Marks : 2 × 10 = 20)

Note :- Answer all *ten* questions (Answer limit **50** words). Each question carries **2** marks.

Section-B

(Marks : 3 × 5 = 15)

Note :- Answer all *five* questions. Each question has internal choice (Answer limit **200** words). Each question carries **3** marks.

Section-C

(Marks : 5 × 3 = 15)

Note :- Answer any *three* questions out of five (Answer limit **500** words). Each question carries **5** marks.

Section-A

1. (i) List features of Android operating system.
- (ii) Explain about notification in android.

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- (iii) What is the purpose of toggle buttons ?
- (iv) List out Android SDK features.
- (v) What are Packages ?
- (vi) Write the directory path where images are stored while developing Android application.
- (vii) Discuss Activity in Android.
- (viii) Explain Radio Group.
- (ix) Discuss the need of permissions in Android.
- (x) List all attributes to develop a simple button.

Section-B

2. What is Android Runtime ? Also explain Android Virtual Device (AVD).

Or

Explain the various types of Android Applications.

3. Explain Radio Button and checkbox view with example.

Or

Explain Android Activity Life-cycle.

4. Differentiate grid view and web view.

Or

Explain GUI Architecture of Android.

5. Differentiate Linear Layout and Table Layout.

Or

What is Listview ? Explain it with suitable example.

6. Explain different location based services.

Or

What are fragments ? Explain fragments life-cycle.

Section–C

7. Write a detailed note on 'Intent' in Android.
8. Explain the following :
 - (i) Relative layout
 - (ii) Frame layout
9. Explain SQLite Database in Android.
10. What is Spinner ? Explain the working with spinner.
11. What is requirement of 'Library' layer in Android Architecture ?