Total No. of Questions : **11** ] [ Total No. of Printed Pages : **3**

# BPF–2224

## M.Sc. (Final) Examination, 2022
## 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) What is Android ?

   (ii) What is AVD ?

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(iii)  Define Views.

(iv)  Define Notifications.

(v)  Define Linear Layout.

(vi)  What is Adapter ?

(vii)  Define Margin.

(viii)  What is Padding ?

(ix)  What is Intents ?

(x)  What is Fragments ?

## Section–B

2.  What do you understand about architecture ? Explain Android Architecture.

*Or*

What is Package ? Explain Package structure.

3.  Explain RadioButton and checkbox view with example.

*Or*

Explain image view and image button view with example.

4.  Explain SQLite database with example.

*Or*

Describe Hierarchical Layout Arrangements.

5.  Explain the following :

(i)  Radio group

(ii)  Text view

*Or*

Explain auto complete text view with example.

6. Explain Android activity in detail.

*Or*

Explain Fragments with example.

**Section–C**

7. Explain Android SDK Manager in detail.

8. Explain Android Life-cycle Activity.

9. How to use list view using adapters ?

10. Explain Spinner in Android.

11. Explain different Location Based Services in detail.