

Total No. of Questions : 5]

SEAT No. :

PC1174

[Total No. of Pages : 2

[6317]-404

T.Y. B.B.A.(Computer Application)

CA - 604 : ANDROID PROGRAMMING

(2019 Pattern) (Semester - VI)

Time : 2½ Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) All questions are compulsory.
- 2) Draw neat diagrams whenever necessary.

**Q1)** Attempt the following (any 8).

**[8×2=16]**

- a) What is adapter?
- b) What is view group?
- c) Define Toast.
- d) Define Linear Layout.
- e) What is use of spinner?
- f) Define thread.
- g) Explain reverse Geocoding.
- h) What is Notification?
- i) Define SQLite database.
- j) Explain DVM.

**Q2)** Attempt the following (any 4).

**[4×4=16]**

- a) Describe the concept of services in Android and explain bounded & unbounded service in detail.
- b) Explain basic building blocks in android?
- c) Describe table layout with example.
- d) Explain the working of handlers & runnable.
- e) Explain service life cycle in detail.

**P.T.O.**

**Q3)** Answer the following (any 4).

**[4×4=16]**

- a) What is dialog box? Explain alert dialog with example.
- b) Explain the android architecture.
- c) What is Androidmanifest .xml file? Explain the importance of Androidmanifest .xml file in android application.
- d) Design a simple calculator using table layout.
- e) Demonstrate the use of Image button with suitable example.

**Q4)** Answer the following (any 4).

**[4×4=16]**

- a) Create a simple application, which reads a five digit positive number from the user, display the reverse number in another activity.
- b) Create a simple application which shows lifecycle of activity.
- c) What is Radio Button and Radio Group? Explain with example.
- d) Explain Gridview using Adapter.
- e) What is Menu? Explain its type

**Q5)** Answer the following (any 2) :

**[2×3=6]**

- a) Methods of AsyncTask.
- b) Broadcast receiver
- c) Custom dialog

