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T.Y. B.B.A. (Computer Application)
CA-604: ANDROID PROGRAMMING
(2019 CBCS Pattern) (Semester - VI)

Time : 2½ Hours]　　　　　　　　　　　　　　　　　　　*[Max. Marks : 70*
Instructions to the candidates:
　　1)　*All questions are compulsory.*
　　2)　*Draw neat diagrams wherever necessary.*

Q1) Attempt <u>any eight</u> of the following.　　　　　　　　　　**[8×2=16]**

　　a)　What is Activity?

　　b)　What is Intent?

　　c)　What is APK format?

　　d)　Name any three Layouts in Android.

　　e)　What is fragment?

　　f)　List any four Android versions.

　　g)　List three types of Google map.

　　h)　What is Spinner?

　　i)　Give two permissions to set in manifest file when using Google maps.

　　j)　What is toast?

Q2) Attempt <u>any four</u> of the following.　　　　　　　　　　**[4×4=16]**

　　a)　Explain android architecture with suitable diagram.

　　b)　Explain activity life cycle with diagram.

　　c)　Define Asyntask. How it works with diagram?

　　d)　Create a Simple Application, which read a positive number from the user and display its factorial value in another activity?

　　e)　Create an Android App, it reads the Students Details (Name, Surname, Class) and Display all the information in another activity on click of Submit button.

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Q3) Attempt <u>any four</u> of the following. **[4×4=16]**

   a) Explain views and viewgroup in android.

   b) Create an Android Application to find the cube of a number and Display the Result on Alert Box.

   c) Explain with diagram Bounded and Unbounded service in detail.

   d) Create an Android Application that Demonstrate RatingBar and Display the number of stars selected on Toast and Text View.

   e) Write advantages and disadvantages of SQLite.

Q4) Attempt <u>any four</u> of the following. **[4×4=16]**

   a) What is content provider? Explain in detail.

   b) Explain the significance of activity_main. xml file and android. manifest file.

   c) Write an Android Program to Demonstrate Date Picker Dialog in Android.

   d) Explain android types of adapters and their use.

   e) Explain broadcast receiver.

Q5) Write short notes on <u>any two</u> of the following. **[2×3=6]**

   a) Google maps

   b) Dialog boxes in android

   c) Android JSON

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