PB2301

[6263]-140

B.E. (Electronics & Telecommunication) (Electronics)
ANDROID DEVELOPMENT
(2019 Pattern) (Semester-VIII) (Elective-V) (404191C)

Time : 2½ Hours]   *[Max. Marks : 70*

Instructions to the candidates:
  1) *Answer Q1 or Q2, Q3 or Q4, Q5 or Q6, Q7 or Q8.*
  2) *Neat diagrams must be drawn wherever necessary.*
  3) *Assume Suitable data if necessary.*
  4) *Figures to the right indicate full marks.*

Q1) a)   Explain basic building blocks of Android.   **[8]**

     b)   Briefly explain Android API levels.   **[6]**

     c)   What is Dalvik Virtual Machine.   **[4]**

OR

Q2) a)   Explain components of communication in Android.   **[8]**

     b)   List out UI Components.   **[4]**

     c)   Explain following terms: **[6]**

        i)   Assets

        ii)   Layouts

        iii)   Drawable Resource

Q3) a)   What are activities and Explain what is Lifecycle.   **[7]**

     b)   Explain following   **[10]**

        i)   Components of a screen

        ii)   Adapting to Display Orientation

OR

Q4) a)   What is Intents? Explain Linking activities.   **[7]**

     b)   Explain following.   **[10]**

        i)   Fragment Lifecycle

        ii)   Split/Multi screen Activities

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Q5) a) Explain following user interfaces **[10]**
   i) Text view
   ii) Progress bar View

   b) Explain Animation in Android. **[8]**

OR

Q6) a) Briefly explain Android Menus. **[10]**
   b) Explain Graphics in Android. **[8]**

Q7) a) Explain Internal and external storage. **[7]**
   b) Write a short note on SQLite. **[10]**

OR

Q8) a) Explain database in Android. **[7]**
   b) Short note on **[10]**
   i) Google Maps
   ii) Monitoring a Location