

Total No. of Questions: 8]

SEAT No. :

PB2301

[6263]-140

[Total No. of Pages :2

**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

P.T.O.

- 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