

Goa Vidyaprasarak Mandal's

GOPAL GOVIND POY RAITURCAR COLLEGE OF COMMERCE AND ECONOMICS PONDA - GOA

B.C.A. (SEMESTER- V) SUPPLEMENTARY EXAMINATION, JULY 2022

MOBILE APPLICATION DEVELOPMENT

Duration: 2 hours

Total Marks: 60

Instructions: i) All questions are compulsory.

ii) Figures to the right indicate full marks.

Q1.A) Fill in the blanks:

(5*1=5)

- A) _____ is the lowest layer of android architecture.
- B) _____ is the first callback method invoked by the system during an Activity life-cycle.
- C) In Android Studio, _____ layout is a default layout in xml.
- D) If you want to increase the whitespace between widgets, you will need to use the _____ property.
- E) To share data across packages in Android _____ object you will prefer.

Q1.B) Answer the following:

(5*1=5)

- A) What is SQLite?
- B) What are Viewgroups in android?
- C) What are List Fragments?
- D) What is the SharedPreferences object?
- E) How would you create a table in SQLite database?

Q2. Answer the following:

- A) List and explain the attributes of a Textview. **(2)**
- B) Explain Linear layout with the help of code. **(3)**
- C) What is an Activity? Explain the Activity life cycle with Diagram. **(5)**

Q3. Answer the following:

- A) What is the difference between Toast and Notification? (2)
- B) Write code to send SMS to another device. Explain all the arguments used in the `sendTextMessage()` method. (3)
- C) Explain External storage in android. (5)

Q4. Answer the following:

- A) Explain any two categories of mobile devices. (2)
- B) List and explain any 3 Widgets. (3)
- C) Explain Android Architecture with a diagram. (5)

Q5. Answer the following:

- A) What are the Timepicker and Spinner view? (2)
- B) Discuss sending email through Android. (3)
- C) What is a Content provider? Explain the various parts of content URI with an example. (5)

Q6. Answer the following:

- A) Write a short note on units of measurement used in Android studio. (2)
- B) What is the purpose of the Imageswitcher? What is the syntax to set animations to Image Switcher? (3)
- C) List and explain two types of menus in Android. (5)
