

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)
