

**GOA VIDYAPRASARAK MANDAL'S  
GOPAL GOVIND POY RAITURCAR COLLEGE OF COMMERCE AND  
ECONOMICS, PONDA-GOA**

**B.C.A. (SEMESTER - V) EXAMINATION – JANUARY 2021  
COMPUTER SCIENCE ELECTIVE – I : ANDROID PROGRAMMING**

**Duration : 2 hours**

**Marks : 50**

**Instructions :** 1. *All questions are compulsory.*  
2. *Figures to the right indicate full marks.*

1. A. Answer the following : (5x1=5)
  - i) What is a WebView ?
  - ii) What is SQLite database ?
  - iii) What is the purpose of the ImageSwitcher ?
  - iv) Name the method that is used to start a service.
  - v) What is the use of the IntentService class ?

B. Fill in the blanks : (5x1=5)

  - i) Android is based on \_\_\_\_\_ Kernel.
  - ii) \_\_\_\_\_ permission is required in AndroidManifest.xml to send SMS messages.
  - iii) \_\_\_\_\_ class is useful to display preferences of a application using an activity.
  - iv) \_\_\_\_\_ is a specialized virtual machine designed specifically for Android.
  - v) \_\_\_\_\_ is a view that is used to display a set of Images.
2. A. Write a short note on BroadcastReceiver. (2)

B. Write a note on Android SDK. (3)

C. Explain the procedure to create a developer profile on the Android Market. (5)
3. A. Name two types of menus in Android. (2)

B. Write a note on choosing the best storage option in Android Application. (3)

C. Explain applying Styles and Themes to an Activity. (5)
4. A. State the four screen densities with dpi recognized and defined by Android. (2)

B. Name the three methods that you can override to save an Activity's state. (3)

C. Explain Geocoding and Reverse Geocoding. (5)
5. A. Write a short note on ProgressBar View. (2)

B. Write the xml code for LinearLayout with TextView and EditText elements. (3)

C. Explain Predefined Query String Constants. (5)

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