

**Goa Vidyaprasarak Mandal's  
GOPAL GOVIND POY RAITURCAR COLLEGE OF COMMERCE AND  
ECONOMICS, PONDA-GOA  
B.C.A (SEMESTER-V) EXAMINATION, JULY 2021  
ANDROID PROGRAMMING**

Duration: 2 Hours

Max. Marks: 25

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Q1 ) Answer the following (Any five): (2\*5=10)

- a. List the languages used to build Android application ?
- b. What is an activity?
- c. What is an adapter in android?
- d. What is android debug bridge?
- e. Explain android application architecture?
- f. List all the versions of android with name ?
- g. Explain the android activity life cycle.
- h. Explain Intent and Toast.

Q2) Answer the following (Any Three ): (5\*3=15)

- a. Explain the layouts in android.
- b. Write android code to send sms " Happy birthday" to ur friend.
- c. Explain Sensors in Android.
- d. If an application is crashing frequently, how will you troubleshoot it?
- e. Explain DDMS in brief.

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