

PSG COLLEGE OF ARTS & SCIENCE  
(AUTONOMOUS)

BSc DEGREE EXAMINATION DECEMBER 2023  
(Fifth Semester)

Branch – COMPUTER TECHNOLOGY

MOBILE APPLICATION DEVELOPMENT

Time: Three Hours

Maximum: 50 Marks

**SECTION-A (5 Marks)**

Answer ALL questions

ALL questions carry EQUAL marks

(5 x 1 = 5)

1. Android is \_\_\_\_\_.  
(i) An operating system (ii) A web browser  
(iii) A web server (iv) Hardware
2. The \_\_\_\_\_ is a part of activity by which we can display multiple screens on one activity.  
(i) Fragment (ii) Intent (iii) Files (iv) Classes
3. Layouts in Android are placed as \_\_\_\_\_ files.  
(i) XML (ii) HTML (iii) C (iv) C++
4. \_\_\_\_\_ displays information related to a particular view on an activity.  
(i) File (ii) Insert (iii) Option (iv) Context
5. Which action is used to launch an email client installed on your android device?  
(i) Mail-Send (ii) Email\_Action (iii) Action\_Send (iv) Mail\_Get

**SECTION - B ( 15 Marks)**

Answer ALL Questions

ALL Questions Carry EQUAL Marks

(5 x 3 = 15)

6. a Explain about interfaces.  
OR  
b Narrate the features of Android.
7. a How do you apply themes and style to an Activity? Explain.  
OR  
b What is an Intent object? What information Intent object consists?
8. a Explain about Table layout with an example.  
OR  
b How will you use the Check Box view? Explain.
9. a Narrate various data storage options.  
OR  
b How will you embed a web browser in an activity? Explain.
10. a Explain about reverse geocode location.  
OR  
b How you can display current location of a user in Android application?

Cont...

**SECTION -C (30 Marks)**  
Answer ALL questions  
ALL questions carry EQUAL Marks

(5 x 6 = 30)

11. a Explain the versions of Android.  
OR  
b Explain the procedure steps of installing android SDK.
12. a Explain the lifecycle of an activity.  
OR  
b How fragments can be created? Explain with appropriate code.
13. a Discuss about Views.  
OR  
b Explain any six attributes of Relative Layout.
14. a Develop an Android application to demonstrate context menu.  
OR  
b How to display time using the Analog Clock and Digital Clock views?  
Explain.
15. a Write Android application to check whether the network is available or not.  
OR  
b List and explain any five classes/subclasses of Google Maps Android.

Z-Z-Z

END