

**(FOR THE CANDIDATES ADMITTED
DURING THE ACADEMIC YEAR 2021 ONLY)**

(NO OF PAGES: 2)

21PCS206

REG.NO

NGM COLLEGE (AUTONOMOUS) POLLACHI

END-OF-SEMESTER EXAMINATIONS: JULY- 2022

M. Sc –Computer Science

MAXIMUM MARKS: 70

II SEMESTER

TIME: 3 HOURS

ANDROID PROGRAMMING

SECTION – A

(10 X1 = 10 MARKS)

ANSWER THE FOLLOWING QUESTIONS

MULTIPLE CHOICE QUESTIONS

(K1)

1. Who developed android?
(a) Google (b) IBM (c) Android Inc (d) Apple
2. Which android library provides access to views, lists and buttons?
(a) android.view (b) andorid.text (c) android.webkit (d) android.os
3. A _____ is a piece of an activity which enable more modular activity design.
(a) Fragment (b) sub-activity (c) Intents (d) Filters
4. _____ is a type of velocity sensor.
(a) Infrared (b) Proximitior (c) Piezoelectric (d) Ultrasonic
5. _____ can create a custom view by extending class activity.
(a) android.widget.View (b) android.widget.LinearLayout
(c) android.view.View (d) android.content.Context

ANSWER THE FOLLOWING IN ONE OR TWO SENTENCES

(K2)

6. Name the languages supported for Android development.
7. In which year, the Open Handset Alliance was announced?
8. Fragments are divided as what stages?
9. What does API stands for?
10. What is meant by deployment?

(CONTD....2)

SECTION – B**(5 X 4 = 20 MARKS)****ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS. (K3)**

11. a) Explain fundamental components of Android.
(OR)
b) Enlist the steps to publish the Android application.
12. a) Explain action bar in detail and its uses.
(OR)
b) List different types of views. Explain Scroll view.
13. a) Describe content providers in Android.
(OR)
b) Explain the state of Android fragments.
14. a) List sensors in Android and explain any one in detail.
(OR)
b) What are the advantages and disadvantages of a touch screen?
15. a) How to secure and deploy an Android App? Describe.
(OR)
b) Explain Android security model in detail.

SECTION - C**(4 X 10 = 40 MARKS)****ANSWER ANY FOUR OUT OF SIX QUESTIONS.****(16TH QUESTION IS COMPULSORY AND ANSWER ANY THREE QUESTIONS FROM Q.NO: 17 TO 21)****(K4) OR (K5)**

16. Explain in detail about Android activity life cycle with a neat diagram.
17. Explore the Steps to install and configure Android Studio and SDK.
18. Demonstrate the use of the Gallery control in Android with suitable example and explain.
19. Describe the significance of SQLite database in Android.
20. How to use drag-and-drop in Android Apps? Explain with suitable example.
21. Write a brief case study on android operating system.