(FOR THE CANDIDATES ADMITTED

DURING THE ACADEMIC YEAR 2022 ONLY)   REG.NO. :

22PCS206

N.G.M.COLLEGE (AUTONOMOUS) : POLLACHI

END-OF-SEMESTER EXAMINATIONS : MAY 2023

M.Sc. - COMPUTER SCIENCE   **MAXIMUM MARKS: 50**

SEMESTER   II   **TIME : 3 HOURS**

22PCS206 – ANDROID PROGRAMMING

SECTION – A   **(10X1=10MARKS)**

ANSWER THE FOLLOWING QUESTIONS.

(Objective Questions with four Multiple Choices)   **(K1)**

(Qn. No. 1 - 5)

1. Android is mainly developed for _____.
   a) Server   b) Mobile Device
   c) Desktop   d) All of the Above
   d)

2. Android is new version of _____.
   a.   Java   b) C++
   b.   Python   d) C

3. Which of the below statement(s) is/are true about Android?
   a) It Safeguards communication between apps.
   b) It asks for credentials before showing sensitive information.
   c) It applies network security measures.
   d) All of the Above.

4. What is the HTTP response error code status in android?
   a) Status code < 100
   b) Status code > 100.
   c) Status >= 400
   d) Status <= 400.

5. Off-line synchronization in android is _____.
   a) Synchronization without internet
   b) Background synchronization
   c) Synchronization with internet
   d) Forward synchronization

ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES   **(K2)**
(Qn. No. 6 - 10)

6. What are the Android fundamental components?

7. Brief User Interface.

8. What is fragment in Android?

9. What is motion event in Android?

10. What is Android application security?

SECTION – B   **(5 X 3 = 15 MARKS)**
ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS.
(K3)

11.   a) Explain the structure of an Android application with diagram.
(OR)

    b) Write about the Android Activity Lifecycle methods.
12.   a) Discuss Android UI- Elements and UI- Controls.
(OR)
    b) Give short notes on image view control.
13.   a) What are the benefits of fragment class?
(OR)
    b) What are the databases used in Android application development?
14.   a) How do you create an event object?
(OR)
    b) What is the difference between onclick and ontouch?.
15.   a) How do you optimize Android application performance?
(OR)
    b) How does deploying an app work?

SECTION – C   **(5 X 5 = 25 MARKS)**
ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS.
(K4 (Or) K5)

16.   a) Explain the Android Architecture with necessary diagram.
(OR)
    b) Demonstrate text controls in Android with examples.

17.   a) Describe the Android Map View Control with suitable example.
(OR)
    c) Explain Android layout managers with types.

18.   a) Describe in detail Fragment Life Cycle.
(OR)
    b) What is Android SQLite? Explain Android SQLite classes.

19.   a) Demonstrate Android - Developer Tools with suitable examples.
.   **(OR)**
    b) What is sensor? Explain the working mechanism of various sensors.

20.   a) Describe the security risks in Android mobile application development.
(OR)
    b) Discuss the best practices to follow for Android Application Security.

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