

(FOR THE CANDIDATES ADMITTED  
DURING THE ACADEMIC YEAR 2023

ONLY)

REG.NO. :

23PCS206

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

END-OF-SEMESTER EXAMINATIONS: MAY 2024

M.Sc. COMPUTER SCIENCE

MAXIMUM MARKS: 75

SEMESTER: II

TIME : 3 HOURS

## 23PCS206-ANDROID PROGRAMMING

### Section – A

(10 X 1 = 10 MARKS)

ANSWER THE FOLLOWING QUESTIONS.

MULTIPLE CHOICE QUESTIONS.

- 1) The Android system gets exposed with the Status data via \_\_\_\_ (K1)
  - a) Altering permissions
  - b) Network receivers
  - c) A content provider
  - d) Intents
- 2) The .apk extension stands for which of these? (K1)
  - a) Application Program Kit
  - b) Android Package
  - c) Application Package
  - d) Android Proprietary Kit
- 3) Android is shipped with which of these built-in databases? (K1)
  - a) Oracle
  - b) MySQL
  - c) Apache
  - d) SQLite
- 4) Which of these does NOT constitute to be a part of the native libraries in Android? (K1)
  - a) OpenGL
  - b) Webkit
  - c) SQLite
  - d) Dalvik
- 5) Which of the following is the topmost layer of android architecture? (K1)
  - a) Applications
  - b) Applications Framework
  - c) System Libraries and Android Runtime
  - d) Linux Kernel

ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES

- 6) Explain the fundamental components of android. (K2)
- 7) Define “Button Control”. (K2)
- 8) Illustrate the use of fragments. (K2)
- 9) Relate the purpose of motion events. (K2)
- 10) Write a note on security of android. (K2)

**SECTION – B (5 X 5 = 25 MARKS)****ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS.**11) a) Discover the steps to specifying comments in layout files. **(K3)**

(or)

b) Examine the methods used in android activity life cycle. **(K3)**12) a) Determine the properties of text controls in android. **(K3)**

(or)

b) Evaluate the different types of date and time controls. **(K3)**13) a) Show the structure of fragment. **(K3)**

(or)

b) Highlight the purpose of registering a broadcast receiver. **(K3)**14) a) Summarize the methods of recycling motion events. **(K3)**

(or)

b) Outline the main uses of velocity tracker. **(K3)**15) a) Illustrate the performing runtime security checks. **(K3)**

(or)

b) Describe the security challenges of android operating system. **(K3)****Section-C (5 X 8 = 40 MARKS)****ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS.**16) a) Elaborate the steps to add views and view groups in layout files. **(K4)**

(or)

b) Analyze the working with auto generated IDs for controls. **(K5)**17) a) Demonstrate the need to building a UI completely in XML. **(K5)**

(or)

b) Assess the difference of spinner control and gallery control in android. **(K4)**18) a) Identify the steps to create a new SQLite database with example. **(K5)**

(or)

b) Elucidate the exploring databases on the emulator and available devices. **(K4)**19) a) Discuss the basics of drag and drop in 3.0+. **(K5)**

(or)

b) Integrate the implementation of getting sensor events. **(K4)**20) a) Estimate the general architecture of android operating system. **(K4)**

(or)

b) Illustrate the layers of android security model with diagram. **(K5)**

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