Reg. No. : ....

Code No.: 5739   **Sub. Code: ZCIE 21**

M.Sc. (CBCS) DEGREE EXAMINATION, APRIL 2023.

Second Semester

Computer Science with Artificial Intelligence – Elective

ANDROID PROGRAMMING

(For those who joined in July 2022 onwards)

Time : Three hours   Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer :

1. For which of the following Android is mainly developed?

   (a) Servers   (b) Desktops

   (c) Laptops   (d) Mobile devices

2. The APK stands for

   (a) Android Phone Kit

   (b) Android Page Kit

   (c) Android Package Kit

   (d) None of the above

3. What is an activity in android?

   (a) android class

   (b) android package

   (c) A single screen in an application with supporting java code

   (d) None of the above

4. ADB stands for

   (a) Android debug bridge

   (b) Android delete bridge

   (c) Android destroy bridge

   (d) None of the above

5. On which of the following, developers can test the application, during developing the android applications?

   (a) Third-party emulators

   (b) Emulator included in Android SDK

   (c) Physical android phone

   (d) All of the above

6. Which of the following is not an activity lifecycle callback method?

   (a) onClick() method

   (b) onCreate() method

   (c) onStart() method

   (d) onBackPressed() method

7. What does AVD stand for?

   (a) Android Virtual device

   (b) Android Virtual display

   (c) Active Virtual display

   (d) Active Virtual device

8. What is the use of content provider in Android?

   (a) For storing the data in the database

   (b) For sharing the data between applications

   (c) For sending the data from an application to another application

   (d) None of the above

9. Which of the following is contained in the src folder?

   (a) XML   (b) Java source code

   (c) Manifest   (d) None of the above

10. Which of the following method is used to handle what happens after clicking a button?

    (a) onClick   (b) onCreate

    (c) onSelect   (d) None of the above

PART B — (5 × 5 = 25 marks)

Answer ALL questions, choosing either (a) or (b).
Each answer should not exceed 250 words.

11. (a) Describe about Features of android.

    Or

    (b) Explain briefly about Using Code completion.

12. (a) Explain briefly about Understanding the Intent.

    Or

    (b) Write about Applying styles and themes to an activity.

13. (a) Explain briefly Frame layout about.

    Or

    (b) Write about utilizing the action bar.

14. (a) Explain briefly about a list fragment.

    Or

    (b) Write about the DataPicker view.

15. (a) Explain briefly about Grid View.

Or

(b) Explain briefly about programmatically retrieving and modifying the preferences values.

PART C — (5 × 8 = 40 marks)

Answer ALL questions, choosing either (a) or (b)
Each answer should not exceed 600 words.

16. (a) Write about the Android Architecture and Android devices in the market in detail.

Or

(b) Explain about Exploring the IDE in detail.

17. (a) Explain about Understanding Activities with suitable examples in detail.

Or

(b) Describe about Linking Activities using Intents in detail.

18. (a) Write about Linear layout in detail.

Or

(b) Explain about

(i) Creating the user interface programmatically

(ii) Listening for user notifications

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19. (a) Explain about the ListView view in detail.

Or

(b) Write about a dialog fragment with examples in detail.

20. (a) Explain about web view with examples in detail.

Or

(b) Explain about Creating and using databases in detail.

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