(6 pages)

Reg. No. : ....

Code No. : 20326 E   Sub. Code : AECS 51

B.Sc. (CBCS) DEGREE EXAMINATION,
NOVEMBER 2022.

Fifth Semester

Computer Science

Major Elective – MOBILE APPLICATION
DEVELOPMENT

(For those who joined in July 2020 onwards)

Time : Three hours   Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer :

1. Android is based on which of the following language?

   (a) Java

   (b) C++

   (c) C

   (d) COBOL

2. How can we stop the services in android?

   (a) By using the stopSelf( ) and stopService( ) method

   (b) By using the finish( ) method

   (c) By using system.exit( ) method

   (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) Android file

4. ADB stands for?

   (a) Android debug bridge

   (b) Android delete bridge

   (c) Android destroy bridge

   (d) Android develop bridge

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 kernel is used in Android?

   (a) MAC (b) Windows

   (c) Linux (d) Redhat

7. Which of the following is the first callback method that is invoked by the system during an activity life-cycle?

   (a) onClick( ) method

   (b) onCreate( ) method

   (c) onStart( ) method

   (d) onRestart( ) method

8. Which of the layer is below the topmost layer of android architecture?

   (a) System Libraries and Android Runtime

   (b) Linux Kernel

   (c) Applications

   (d) Applications Framework

9. Which of the following method in android is used to log debug messages?

   (a) Log.r( ) (b) Log.R( )

   (c) Log.d( ) (d) Log.D( )

10. Which of the following layout in android arranges its children into rows and columns?

    (a) RelativeLayout (b) TableLayout

    (c) FrameLayout (d) ViewLayout

PART B — (5 × 5 = 25 marks)

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 250 words.

11. (a) What are the activity and layouts in android? Explain.

    Or

    (b) How will you add the string array to strings.xml.

12. (a) What happens when the user clicks the send message button? Explain.

    Or

    (b) How the activity code will work?

13. (a) Write down the LinearLayout displays.

    Or

    (b) Point out the purpose of position views using constraints.

14. (a) Explain the use list views to navigate to data.

Or

(b) How to add a fragment to your project? Explain.

15. (a) Bring out the SQLite helper manages database.

Or

(b) Mention the new Starbuzz app structure.

PART C — (5 × 8 = 40 marks)

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

16. (a) Examine the steps to create an android virtual device.

Or

(b) Determine the use of string resource in your layout.

17. (a) How will you create the second activity and layout? Explain.

Or

(b) Illustrate the updated StopwatchActivity code.

18. (a) Draw and explain the position views using constraints.

Or

(b) Elaborate the steps to adding images to buttons.

19. (a) Discuss the get list views to respond to clicks with a listener.

Or

(b) Analysis the MainActivity needs to implement the interface.

20. (a) Demonstrate the downgrade your database with onDowngrade( ).

Or

(b) Formulate the return all the records from a table.

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Nesamony Memorial Christian College, Marthandam