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Reg. No. :

Code No. : 30520 E Sub. Code : CECS 51

B.Sc. (CBCS) DEGREE EXAMINATION,
NOVEMBER 2024.

Fifth Semester

Computer Science

Major Elective — MOBILE APPLICATION
DEVELOPMENT

(For those who joined in July 2021 and 2022 only)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer :

1. Android is —————

- (a) web browser (b) operating system
(c) web server (d) editor

2. Which helps in viewing and editing layout files in Android studio?

- (a) design viewer (b) design editor
(c) code viewer (d) code designer

3. Which is the most important file while creating an android application?

- (a) manifest file (b) res file
(c) resource file (d) app file

4. ————— method will run code every second to check whether the stopwatch is running.

- (a) Timer() (b) checkTimer()
(c) runTimer() (d) StowatchTimer()

5. Which element tells Android that the different GUI components in the layout should be displayed relative to each other?

- (a) <RelativeLayout> (b) <LinerLayout>
(c) <GridLayout> (d) <ConstraintLayout>

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6. All layout classes are the subclasses of _____

- (a) android.widget
- (b) android.view.View
- (c) android.view.ViewGroup
- (d) widget

7. Which layout: is a flexible way of designing more complex UIs?

- (a) relative (b) linear
- (c) grid (d) constraint

8. In android, mini activities are also known as _____

- (a) fragments (b) intent
- (c) filter (d) broadcast

9. Which method is called when the fragment is no longer visible to the user?

- (a) onStop() (b) onDestroy()
- (c) onDetach() (d) onDestroyView()

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10. Android uses _____ databases to persist data.

- (a) MS Access (b) SQLite
- (c) Oracle (d) NoSQL

PART B — (5 × 5 = 25 marks)

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

11. (a) Write a note on android platform.

Or

(b) How is a button added using the design editor?

12. (a) Write a note on intents.

Or

(b) Write a note on runTimer() method.

13. (a) Compare View and view groups.

Or

(b) Write a note on constraint layout library.

14. (a) How is the listener set to the list view?

Or

(b) Give the fragment lifecycle.

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[P.T.O]



15. (a) How are tables created?

Or

- (b) How are cursor and database closed?

PART C — (5 × 8 = 40 marks)

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

16. (a) Briefly explain the android emulator.

Or

- (b) Build an interactive app.

17. (a) Describe activity lifecycle.

Or

- (b) How are messages created and sent?

18. (a) How is a basic linear layout changed?

Or

- (b) How are views positioned using constraints?

19. (a) Create a top level layout with an image and a list.

Or

- (b) How is fragment added to an activity's layout?

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20. (a) Explain how SQLite database structure is changed.

Or

- (b) How are records returned from the SQLite database?
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