Faculty of Science / Engineering
End Semester Examination May 2025
CA3SE10 Mobile Application Development

Programme	:	BCA / BCA-MCA (Integrated)	Branch/Specialisation	:	-
Duration	:	3 hours	Maximum Marks	:	60

Note: *All questions are compulsory. Internal choices, if any, are indicated. Assume suitable data if necessary. Notations and symbols have their usual meaning.*

Section 1 (Answer all question(s))	Marks	CO	BL

Q1. Which of the following is NOT a core component of the Android ecosystem?   1 1 1

Rubric	Marks
Windows Subsystem	1

- ○ Android Runtime (ART)   ○ Linux Kernel
- ● Windows Subsystem   ○ Application Framework

Q2. Telephony Manager is in which layer of the Android architecture-   1 1 1

Rubric	Marks
Application Framework	1

- ○ Linux Kernel   ● Application Framework
- ○ Applications   ○ None of these

Q3. Pick a layout that has only horizontal and vertical orientation-   1 2 2

Rubric	Marks
LinearLayout	1

- ● LinearLayout   ○ RelativeLayout
- ○ AbsoluteLayout   ○ TableLayout

Q4. Which of the following is not the XML attribute of TextView?   1 2 2

Rubric	Marks
textOff	1

- ○ text   ● textOff
- ○ textColor   ○ textStyle

Q5. View.OnClickListener is _____.   1 3 1

Rubric	Marks
Interface	1

- ○ Callback Method   ○ Registration Method
- ● Interface   ○ Class

Q6. Which of the following is the correct way to copy text from EditText (e2) to EditText (e1) after clicking a button in Android? **1 3 2**

Rubric	Marks
e1.setText(e2.getText().toString())	1

- ○ e2.setText(e2.getText().toString())
- ● e1.setText(e2.getText().toString())
- ○ e2 = e1.getText()
- ○ e2.setText() =e1.getText()

Q7. Parent class of Toast is _____ ? **1 4 1**

Rubric	Marks
Object	1

- ○ View
- ● Object
- ○ Dialog
- ○ Button

Q8. public boolean onOptionsItemSelected (MenuItem item) {} is- **1 4 2**

Rubric	Marks
Event Handler	1

- ○ Class
- ○ Interface
- ○ Package
- ● Event Handler

Q9. put() method is a part of which class in Android_____ ? **1 5 1**

Rubric	Marks
ContentValues	1

- ● ContentValues
- ○ Cursor
- ○ SQLiteDatabase
- ○ SQLiteOpenHelper

Q10. moveToNext() method is used for- **1 5 2**

Rubric	Marks
Move to the next row of the table	1

- ○ Move to the next table
- ● Move to the next row of the table
- ○ Move to the next database
- ○ None of these

Section 2 (Answer all question(s))

Marks CO BL

Q11. Write the features of Android. **3 1 1**

Rubric	Marks
3 features • 1 mark for each feature	3

Q12. (a) Explain layers of Android architecture with a diagram.　　　　　　　**7　1　1**

Rubric	Marks
Description of Layers	4
Diagram	3

(OR)

(b) Explain any 7 versions of Android with the features of each version.

Rubric	Marks
7 versions of Android with the features -- 1 mark for each version explanation	7

Section 3 (Answer all question(s))

Marks CO BL

Q13. Explain the activity life cycle using diagram.　　　　　　　　　　　　**4　2　2**

Rubric	Marks
Explain the activity life cycle	2
Diagram of the activity life cycle.	2

Q14. (a) Write XML code to design the Login screen using LinearLayout with an output screen.　　　**6　2　1**

Rubric	Marks
XML Code	5
Output screen	1

(OR)

(b) Write XML properties of TextView, Spinner, and ListView.

Rubric	Marks
TextView XML attributes	2
Spinner XML attributes	2
ListView XML attributes	2

Section 4 (Answer all question(s))

Marks CO BL

Q15. How will you apply style and themes? Give some examples.　　　　　　　**4　3　1**

Rubric	Marks
Definition of Styles & Themes with example - 2 marks	2
Steps to apply Styles and themes - 2 mark	2

Q16. (a) Write a program that merges the text from two EditText fields into a third EditText field upon clicking a button. Also, illustrate the expected output screen.   **6   3   1**

Rubric	Marks
Program to concat	4
Output	2

(OR)

(b) Write a program to show the selected checkbox inside TextView, after clicking a button. The checkboxex text contains the programming languages Python, Java, and C++. Draw the output screen.

Rubric	Marks
Program	4
Output	2

Section 5 (Answer all question(s))   **Marks CO BL**

Q17. Explain the Adapters with a diagram.   **4   4   1**

Rubric	Marks
Explanation of Adapters	2
Diagram	2

Q18. (a) Write a program to send SMS. Draw output Screen also.   **6   4   1**

Rubric	Marks
Program to send SMS.	4
Draw output Screen	2

(OR)

(b) Write a program for the phone call. Draw output Screen also.

Rubric	Marks
Program for the phone call.	4
Draw output Screen.	2

Section 6 (Answer any 2 question(s))   **Marks CO BL**

Q19. Explain any 5 SQLite database class methods by example.   **5   5   2**

Rubric	Marks
5 SQLite database class methods.	5

Q20. Explain any 5 Cursor class methods by example.   **5   5   2**

Rubric	Marks
5 Cursor class methods	5

Q21. Create a database Student, and create a table stud(id, name) in the database student. Write a program to   **5**   **5**   **3**
insert and show the data from the table stud.

Rubric	Marks
Insert the row into the table.	2.5
Show the row in the table.	2.5

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