S.No. : 243

BCAN 15301/ BCACSN/
BCADSN15302

No. of Printed Pages : 04

Following Paper ID and Roll No. to be filled in your Answer Book.

PAPER ID : 51128 Roll No. 1 2 3 0 2 6 9 0 2 8

BCA Examination, 2025-26

(Odd Semester)

MOBILE APPLICATION DEVELOPMENT

Time : Three Hours] *[Maximum Marks : 60*

Note :– Attempt all questions.

SECTION–A

1. *Attempt all parts of the following :* 8×1=8

(a) What is an APK file?

(b) What is android runtime?

(c) What is an android emulator?

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(d) What are the main components of an android app?

(e) What is a toast?

(f) What is an image view?

(g) What is a popup menu?

(h) What is SQLite?

SECTION – B

2. Attempt any two parts of the following : 2×6=12

(a) Describe the android architecture in detail with a neat diagram.

(b) What is an activity? Explain its life cycle.

(c) What is a layout in android? Explain the different types of layouts in android?

(d) What is an Intent in android? What are the types of intents? Implement explicit intent.

SECTION – C

Note :– Attempt all questions. Attempt any two parts from each questions. 8×5=40

3. (a) What is android? Explain its main purpose and uses.

(b) What is the role of the DVM in older android versions?

(c) Explain the evolution of android versions with their key features.

4. (a) What is a service? Explain its types.

(b) What is manifest file? What is the purpose of the android manifest file?

(c) What is a content provider in detail?

5. (a) Implement rating bar and seek bar to display user inputs.

(b) Create a layout with check box, radio button and button.

(c) Explain views? Explain the different types of views.

6. (a) What is a fragment? Explain its lifecycle?

(b) What are services? Explain its types and lifecycle?

(c) What do you mean by menu? Implement option menu.

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