



003-2036001

Seat No. \_\_\_\_\_

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BACHELOR OF COMPUTER APPLICATION (W.E.F. 2019) BCA (2019) Semester - 6 Examination

BCA (2019) SEMESTER-6 MARCH-2025

CS-31 MOBILE APP.DEV. IN ANDROID USING KOTLIN

Time : 2.5Hours]

[Total Marks : 70

- 1 (A) Answer the following: 4
- 1 Define: Kotlin.
  - 2 Give full form of OOP.
  - 3 What is Conditional Control Statement?
  - 4 Immutable variable is declared using \_\_\_\_ keyword.
- (B) Answer in brief (Any one out of two) 2
- 1 What is Loop?
  - 2 Define: Super keyword.
- (C) Answer in detail (Any one out of two) 3
- 1 Write a short note on Abstract.
  - 2 Difference between Mutable Variable and Immutable Variable.
- (D) Write a note on (Any one out of two) 5
- 1 What is Inheritance? Explain Multilevel Inheritance in detail.
  - 2 Explain Visibility modifiers in Kotlin.
- 2 (A) Answer the following: 4
- 1 AVD stands for \_\_\_\_.
  - 2 Give full form of SDK.
  - 3 What is DVM?
  - 4 DDMS stands for \_\_\_\_.
- (B) Answer in brief (Any one out of two) 2
- 1 Define: Emulator.
  - 2 What is Activity?
- (C) Answer in detail (Any out of two) 3

- 1 Write a short note on OHA.
  - 2 Write anatomy of android applications.
- (D) Write a note on (Any one out of two) 5
- 1 Explain AndroidManifest.xml file in detail.
  - 2 What is Intent? Explain in detail.
- 3 (A) Answer the following: 4
- 1 \_\_\_\_ view enables users to select a date of the day.
  - 2 \_\_\_\_ widget is used to display text.
  - 3 UI stands for \_\_\_\_.
  - 4 \_\_\_\_ enables you to specify the location of child objects relative to each other.
- (B) Answer in brief (Any one out of two) 2
- 1 What is Progress Bar?
  - 2 Define: Dialog.
- (C) Answer in detail (Any one out of two) 3
- 1 Write a short note on Activity Life Cycle.
  - 2 What is Fragment?
- (D) Write a note on (Any one out of two) 5
- 1 Explain Animation in detail.
  - 2 What is Layout? List different types of layout and explain any one in detail.
- 4 (A) Answer the following: 4
- 1 \_\_\_\_ method is used to delete file.
  - 2 \_\_\_\_ permission is required to write in External Storage.
  - 3 To read from a database, use the \_\_\_\_ method.
  - 4 Binary data is shared using the \_\_\_\_.
- (B) Answer in brief (Any one out of two) 2
- 1 Define: Internal Storage.
  - 2 What is Schema?
- (C) Answer in detail (Any one out of two) 3
- 1 Write a short note on Shared Intent.
  - 2 How to create a Shared Preference file?
- (D) Write a note on (Any one out of two) 5
- 1 Create an android application to perform create, insert, and delete operation using

SQLite database. (Fields like: id,nm,phno,sal)

2 Write code to perform update and read operation on Student Database.

5 (A) Answer the following:

4

- 1 GPS stands for \_\_\_\_.
- 2 Give full form of API.
- 3 Call \_\_\_\_, which returns a notification object containing your specifications.
- 4 JSON stands for \_\_\_\_.

(B) Answer In brief (Any one out of two)

2

- 1 What is Service?
- 2 How to check the Network Connection?

(C) Answer in detail (Any one out of two)

3

- 1 Write down steps to publish android application.
- 2 Write a short note on Telephony API.

(D) Write a note on (Any one out of two)

5

- 1 What is Notification? Explain in detail.
- 2 Explain doInBackground() in AsyncTask.