Seat No. _____

003-2036001

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

BCA (2019) Semester-6 March-2024

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

Time : 2.5Hours]   **[Total Marks : 70**

1 (A) Answer the following: 4

    1   Kotlin variables are case sensitive. (True/ False)

    2   ____ variables can be reassigned to a different value after initial assignment.

    3   Multiline comments in kotlin are marked with ____.

    4   Hard keywords cannot be used as identifiers. (True/ False)

  (B) Answer in brief (Any one out of two)   2

    1   What are the advantages of kotlin?

    2   Define: Super keyword.

  (C) Answer in detail (Any one out of two)   3

    1   Difference between var and val.

    2   What is Loop? Explain any one in detail.

  (D) Write a note on (Any one out of two)   5

    1   Explain different types of Inheritance in detail.

    2   Explain Kotlin Immutable Collections in detail.

2 (A) Answer the following: 4

    1   DDMS stands for ____.

    2   Give full form of ldpi.

    3   APK stands for ____.

    4   .dx stands for ____.

  (B) Answer in brief (Any one out of two)   2

    1   What is OHA?

    2   Define: Emulator.

(C) Answer in detail (Any out of two)   3

1   Explain Android Manifest File.

2   Write a short note on Android Versions.

(D) Write a note on (Any one out of two)   5

1   What is Intent? Explain in detail.

2   Explain Android Architecture in detail.

3   (A) Answer the following: 4

1   _____ view enables user to select a time of the day.

2   _____ allow the user to select one or more options from a set.

3   UI stands for _____.

4   _____ displays web pages.

(B) Answer in brief (Any one out of two)   2

1   Define: Progressbar.

2   What is EditText?

(C) Answer in detail (Any one out of two)   3

1   Difference between Relative Layout and Linear Layout.

2   Write a short note on Dialogs.

(D) Write a note on (Any one out of two)   5

1   What is Animation? Explain any one in detail.

2   Explain Fragement in detail.

4   (A) Answer the following: 4

1   API stands for _____.

2   _____ method is used to delete file.

3   Binary data is shared using the _____.

4   _____ method is used to query blank space.

(B) Answer in brief (Any one out of two)   2

1   Define: Content Provider.

2   What is Schema?

(C) Answer in detail (Any one out of two)   3

1   Difference between Internal Storage and External Storage.

2   How to obtain permission to write data to external storage?

(D) Write a note on (Any one out of two) 5

1 Create an android application to perform insert, delete and read operation on book table having book_id, book_name, author_name and book_price as fields.

2 Explain Shared Preferences with example.

5 (A) Answer the following: 4

1 Give full form of LBS.

2 The key class in the Google Maps Android API is ____.

3 ____ answers queries about the state of network connectivity.

4 IPC stands for ____.

(B) Answer In brief (Any one out of two) 2

1 Define: Services.

2 Which permissions are required to deal with location?

(C) Answer in detail (Any one out of two) 3

1 Write down steps to publish android applications.

2 Write a short note on telephony API.

(D) Write a note on (Any one out of two) 5

1 What is JSON? Explain with suitable example.

2 What is Notification? Explain any one in detail.