



D-003-2036001

Seat No. _____

B. C. A. (Sem. VI) Examination

July - 2022

**CS-31 : Mobile Application Development in
Android Using Kotlin**

Faculty Code : 003

Subject Code : 2036001

Time : $2\frac{1}{2}$ Hours]

[Total Marks : 70

- 1 (a) Objective type question : 4
- (1) Which Operator is used to handle null exceptions in Kotlin ?
 - (2) How to make a single line comment in Kotlin?
 - (3) Kotlin is developed by _____
 - (4) What is full form of OOP?
- (b) Attempt any **one** : 2
- (1) Explain any one Loop in Kotlin.
 - (2) Explain Modifiers in Kotlin.
- (c) Attempt any **one** : 3
- (1) Explain KotlinDatatype.
 - (2) Explain Kotlin Operators.
- (d) Attempt any **one** : 5
- (1) Explain decision making statements.
 - (2) Explain Array in Kotlin.
- 2 (a) Objective type question : 4
- (1) What is full form of OHA ?
 - (2) Which folder contains layout and design related xml files ?
 - (3) What is full form of DVM ?
 - (4) Which Editor is used for developing android application ?

- (b) Attempt any **one** : **2**
 (1) Explain OHA.
 (2) Explain Intent.
- (c) Attempt any **one** : **3**
 (1) Write down steps to create AVD.
 (2) Explain Manifest file and its common setting.
- (d) Attempt any **one** : **5**
 (1) Write Anatomy of android application.
 (2) Explain Android Architecture.
- 3** (a) Objective type question : **4**
 (1) Which UI is used to display Text ?
 (2) When a button is clicked, which listener you can use?
 (3) Which control is used OnCheckedChangeListener ?
 (4) List any one property of RadioGroup.
- (b) Attempt any **one** : **2**
 (1) Explain TextView.
 (2) Explain EditText.
- (c) Attempt any **one** : **3**
 (1) Explain ListView
 (2) Explain GridView
- (d) Attempt any **one** : **5**
 (1) Explain Relative Layout in detail.
 (2) Explain Linear Layout in detail.
- 4** (a) Objective type question : **4**
 (1) Which method is used to retrieve record from SQLite in Android?
 (2) What does .apk stand for ?
 (3) What is use of execSQL ?
 (4) What is full form of API ?

- (b) Attempt any one : 2
- (1) Explain Raw Query.
 - (2) Explain Insert() in SQLite.
- (c) Attempt any one : 3
- (1) Explain Shared Preference.
 - (2) Explain Cursor with suitable example.
- (d) Attempt any one : 5
- (1) Write a program to display record in ListView from SQLite.
 - (2) Write a program to load webpage in WebView.
- 5** (a) Objective types questions : 4
- (1) Which permission is used to vibrate phone ?
 - (2) Which permission is required to use Network API ?
 - (3) What is use of Telephone API ?
 - (4) Which store is used to publish application ?
- (b) Attempt any one : 2
- (1) Explain Location Manager
 - (2) Explain Telephone API.
- (c) Attempt any one : 3
- (1) Explain Network API.
 - (2) Explain WebView.
- (d) Attempt any one : 5
- (1) Write steps to upload Application in Play Store.
 - (2) Write steps to deploy Android apk.
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