



Seat No. _____

H-003-2036001

B. C. A. (Sem. V) (CBCS) (W.E.F. 2019) Examination

April - 2023

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

Faculty Code : 003

Subject Code : 2036001

Time : $2\frac{1}{2}$ / Total Marks : 70

- 1 (a) Fill in the blanks : 4
- (1) Who developed Kotlin ?
 - (2) Which extension is responsible to save Kotlin files ?
 - (3) In Kotlin, _____ is the default visibility modifier.
 - (4) What is super keyword ?
- (b) Answer in brief : (any one) 2
- (1) What is the meaning of interface ?
 - (2) What is the meaning of this keyword ?
- (c) Answer in detail : (any one) 3
- (1) Explain visibility modifier.
 - (2) Explain abstract class.
- (d) Write a note : (any one) 5
- (1) Explain loop in Kotlin.
 - (2) Explain inheritance in Kotlin.
- 2 (a) Fill in the blanks : 4
- (1) OHA stands for _____
 - (2) SDK stands for _____
 - (3) NFC stands for _____
 - (4) APK file found in _____ folder.

- (b) Answer in brief : (any one) 2
 (1) What is service ?
 (2) What is Linux Kernel ?
- (c) Answer in detail : (any one) 3
 (1) Explain Android Manifest.xml file.
 (2) Explain inter filter.
- (d) Write a note on : (any one) 5
 (1) Explain Android architecture.
 (2) Explain activity life cycle.
- 3** (a) Fill in the blanks : 4
 (1) A _____ allows the user to type text into your application.
 (2) _____ enables you to specify the location of child objects relative to each other.
 (3) What is the meaning of ViewGroup ?
 (4) What is the meaning of fragment ?
- (b) Answer in brief : (any one) 2
 (1) What is canvas ?
 (2) List of basic UI. Define any one.
- (c) Answer in detail : (any one) 3
 (1) Explain Progress Bar.
 (2) Explain Array Adapter.
- (d) Write a note on : (any one) 5
 (1) Explain different types of layout in detail.
 (2) Explain types of animation.
- 4** (a) Fill in the blanks : 4
 (1) _____ is used to get string values from Shared Preferences.
 (2) _____ method is used to delete file.
 (3) In android, by default, SQLite database save data in.
 (4) _____ is the recommended way for sharing data across packages.
- (b) Answer in brief : (any one) 2
 (1) Explain the methods of data storage.
 (2) What is contract class ?

- (c) Answer in detail : (any one out of two) 3
- (1) Explain schema.
 - (2) How to obtain permission to write data to external storage ?
- (d) Write a note on : (any one) 5
- (1) What is SQLite Database ? Explain methods for creating and deleting database records.
 - (2) What is Shared Preferences ? Explain methods for create, search, read, add, update and delete shared preferences.
- 5** (a) Fill in the blanks : 4
- (1) A _____ service is the server in a client-server interface.
 - (2) To set up a notification so it can be updated issue it with a _____.
 - (3) GPS stands for _____.
 - (4) Use the _____ method to issue the notification.
- (b) Answer in brief : (any one) 2
- (1) What is LBS ?
 - (2) What is WebView?
- (c) Answer in detail : (any one) 3
- (1) List out the components available with notification.
 - (2) Explain Android telephony API.
- (d) Write a note on : (any one) 5
- (1) Explain Manage Network Usage.
 - (2) Write steps to publish your android application.
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