



Seat No. _____

H-003-1046001

B. Sc. (IT) (Sem. VI) (CBCS) (W.E.F. 2016) Examination

April - 2023

CS - 31 : Mobile Computing Using Android

Faculty Code : 003

Subject Code : 1046001

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

- 1 (A) Attempt the following : 4
- (1) _____ Virtual Machine is used by android operating system.
 - (2) _____ & _____ Methods are useful to kill an activity in android.
 - (3) _____ kernel is used by android.
 - (4) Write Full form of OHA.
- (B) Answer in brief : (any **one**) 2
- (1) Write steps to create AVD.
 - (2) Explain application context.
- (C) Answer in detail : (any **one**) 3
- (1) Explain Intent types.
 - (2) Explain any three android terminology.
- (D) Write a note on following : (any **one**) 5
- (1) Explain android architecture.
 - (2) Explain Activity Life Cycle.
- 2 (A) Attempt the following : 4
- (1) _____ class in android displays information for a short period of time and disappears after some time.
 - (2) All layout classes are sub classes of _____.
 - (3) Relative Layout sets widgets followed by _____.
 - (4) What is the default value of the orientation attribute in Linear Layout ?

- (B) Answer in brief : (any **one**) 2
 (1) Explain Relative Layout.
 (2) Explain Toast.
- (C) Answer in detail : (any **one**) 3
 (1) Explain Image Button.
 (2) Explain List View.
- (D) Write a note on following : (any **one**) 5
 (1) Explain Dialogs with example.
 (2) Explain Animation.
- 3** (A) Attempt the following : 4
 (1) _____ class contains onCreate() method.
 (2) Write use of onDowngrade() method.
 (3) Which android library provides access to the database?
 (4) What is the use of content provider ?
- (B) Answer in brief : (any **one**) 2
 (1) Explain ContentURL.
 (2) Explain execSQL.
- (C) Answer in detail : (any **one**) 3
 (1) Explain external storage.
 (2) Explain content provider.
- (D) Write a note on following : (any **one**) 5
 (1) Write a program to add record using SQLite.
 (2) Explain cursor with suitable example.
- 4** (A) Attempt the following : 4
 (1) LBS stands for _____.
 (2) Searching location in Google Map API is done through _____ class.
 (3) _____ class is used to check whether network connection is available or not.
 (4) Which method is used to load HTML Page content in webView ?
- (B) Answer in brief : (any **one**) 2
 (1) Explain Location Manager.
 (2) Explain Networking API.

- (C) Answer in detail : (any **one**) **3**
 (1) Explain GPS.
 (2) Explain Telephony API.
- (D) Write a note on following : (any **one**) **5**
 (1) Explain WebView with example.
 (2) Explain how to check network connection.
- 5** (A) Attempt the following : **4**
 (1) Write full form of JSON.
 (2) _____ is used to build notification content.
 (3) Which store is used to publish application ?
 (4) Which permission is used to vibrate the phone ?
- (B) Answer in brief : (any **one**) **2**
 (1) Explain JSON.
 (2) Explain Manifest file.
- (C) Answer in detail : (any **one**) **3**
 (1) Write a program to blinking the lights.
 (2) Explain notification Manager with example.
- (D) Write a note on following : (any **one**) **5**
 (1) Write steps to publish android application.
 (2) Explain types of notification.
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