



DM-003-1046001 Seat No. _____

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

March – 2022

**CS-31 : Mobile Application 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) Give full form of AVD
 - (2) Give full form of SDK.
 - (3) What is Surface view?
 - (4) Give full form of ADT.
- (B) Attempt any **one** : 2
- (1) What is context?
 - (2) What is permission tag in manifest file?
- (C) Attempt any **one** : 3
- (1) Explain source directory
 - (2) Explain drawable directory
- (D) Attempt any **one** : 5
- (1) Explain Activity Life Cycle with diagram.
 - (2) Explain types of intent.
- 2 (A) Attempt the following : 4
- (1) If you want to require input data from user then which components is used?
 - (2) Which layout that organizes its children into a single horizontal or vertical row?
 - (3) Explain source directory
 - (4) What is Alert Dialog?

- (B) Attempt any **one** : 2
 (1) What is EditText?
 (2) What is Spinner?
- (C) Attempt any **one** : 3
 (1) Explain Radio Group?
 (2) Explain ListView m android
- (D) Attempt any **one** : 5
 (1) Explain GridView in detail.
 (2) Explain Relative layout and Table layout in details.
- 3** (A) Attempt the following : 4
 (1) To write to the external storage you must request the permission in your manifest file.
 (2) is used get Integer values values from Shared Preferences.
 (3) Require any permission to perform SQLite? (Yes/No)
 (4) Small collection of key-values that you'd like to save you can use the..... APIs
- (B) Attempt any **one** : 2
 (1) What is content provider?
 (2) How to retrieve integer record in Shared Preference?
- (C) Attempt any **one** : 3
 (1) Explain editor in shared preference.
 (2) Explain Storage APIs.
- (D) Attempt any **one** : 5
 (1) Explain Shared Preference with example.
 (2) Explain Sqlite and write code for insert record in database.
- 4** (A) Attempt the following : 4
 (1) What is WebView?
 (2) Give full form of API.

- (3) Give full form of GPS.
- (4) Give full form of LBS
- (B) Attempt any **one** : **2**
- (1) What is mapping location?
- (2) What is use of Network Manager?
- (C) Attempt any **one** : **3**
- (1) Explain GPS
- (2) Explain Web API.
- (D) Attempt any **one** : **5**
- (1) Explain telephony API?
- (2) Explain LBS in details
- 5 (A) Attempt the following : **4**
- (1) The action itself is defines by a _____ containing an intent that start an activity in your application
- (2) Give full form of JSON.
- (3) Use the_____ Method to issue the notification.
- (4) What is Pending Intent?
- (B) Attempt any **one** : **2**
- (1) What is used of notification parameter in notify() method?
- (2) What is Body Text m notification?
- (C) Attempt any **one** : **3**
- (1) Write a code to generate notification.
- (2) Write a step to deploy android application in android.
- (D) Attempt any **one** : **5**
- (1) Explain Json Parsing in detail
- (2) Wnte a step to create signed apk in android.
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