



**JA-003-1046001**

Seat No. \_\_\_\_\_

**B. Sc. I.T. (Sem. VI) (CBCS) Examination**

**August - 2019**

**CS-31 : Mobile Computing Using ANDROID**

**Faculty Code : 003**

**Subject Code : 1046001**

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

[Total Marks : 70

- 1 (a) Objective type Questions : 4
- (1) Write down full form of OHA.
  - (2) Write down full form of AVD.
  - (3) Which is latest Android OS?
  - (4) Write down full form of DVM.
- (b) Answer in brief : (Any 1 out of 2) 2
- (1) Explain OHA
  - (2) Explain Manifest File.
- (c) Answer in brief : (Any 1 out of 2) 3
- (1) Write a Step to Create AVD.
  - (2) Explain Activity Life Cycle in detail.
- (d) Answer in brief : (Any 1 out of 2) 5
- (1) Explain Android Architecture in detail.
  - (2) Write down steps for creating basic application.
- 2 (a) Objective type Questions : 4
- (1) List any two user interface screen elements.
  - (2) Which control is used to input text from user?
  - (3) What is the purpose of toggle button.
  - (4) List any one property of ListView

- (b) Answer in brief : (Any 1 out of 2) 2
- (1) Explain dialogs.
  - (2) Explain frame by frame animation.
- (c) Answer in brief (Any 1 out of 2) 3
- (1) Explain TextView
  - (2) Explain EditText.
- (d) Answer in brief : (Any 1 out of 2) 5
- (1) Explain Various Layouts in Android.
  - (2) Write a program to display records in ListView Control.
- 3** (a) Objective type Questions : 4
- (1) What Data Types does SQLite Support?
  - (2) In which file shared preference values are stored ?
  - (3) What is the maximum size of a varchar in SQLite?
  - (4) Which package is requiring to import for SQLite.
- (b) Answer in brief : (Any 1 out of 2) 2
- (1) Explain Insert() in SQLite.
  - (2) Explain Update() in SQLite.
- (c) Answer in brief : (Any 1 out of 2) 3
- (1) Explain SQLite.
  - (2) Write program to add record in SQLite.
- (d) Answer in brief : (Any 1 out of 2) 5
- (1) Explain Cursor with its Method.
  - (2) Write a Program to Create and Retrieve Shared Preference Value.

- 4 (a) Objective type Questions 4
- (1) Write down full form of GPS.
  - (2) Which permission is required to allow GPS?
  - (3) Write down any one method of Webview.
  - (4) Which permission is required for accessing internet?
- (b) Answer in brief : (Any 1 out of 2) 2
- (1) Explain LBS.
  - (2) Explain GPS.
- (c) Answer in brief : (Any 1 out of 2) 3
- (1) Explain Telephony API.
  - (2) Explain Network API.
- (d) Answer in brief : (Any 1 out of 2) 5
- (1) Explain WebView with example
  - (2) Write program to display Latitude in TextView.
- 5 (a) Objective type Questions : 4
- (1) Write down full form of JSON.
  - (2) In which store you will publish Android Application?
  - (3) Which permission is required to vibrate phone?
  - (4) What is maximum life span of Android Application in Play Store?
- (b) Answer in brief : (Any 1 out of 2) 2
- (1) List various ways to notify user in android.
  - (2) Explain WebService.
- (c) Answer in brief : (Any 1 out of 2) 3
- (1) Explain Blinking Notification.
  - (2) Explain JSON.
- (d) Answer in brief : (Any 1 out of 2) 5
- (1) Write down deployment steps of Android Application in Play Store.
  - (2) Write program to vibrate phone.