



**P-003-1046001**

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

**B. Sc. (Information Technology) (Sem. VI) (CBCS)  
Examination**

**March / April – 2020**

**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 DVM.
  - (3) Write down full form of LDPI.
  - (4) What is extension of Manifest file in Android ?
- (b) Attempt any one out of two : 2
- (1) Write steps to create AVD.
  - (2) Explain Intent.
- (c) Attempt any one out of two : 3
- (1) Explain Android SDK.
  - (2) Explain Service.
- (d) Attempt any one out of two : 5
- (1) Write Anatomy of an Android Application.
  - (2) Explain Android Architecture.
- 2 (a) Objective type questions : 4
- (1) Widget is known as Tools. State True or False.
  - (2) Which Editors are used for developing android application ?
  - (3) What is emulator ?
  - (4) Which layout that organize its children into signal horizontal or Vertical Row ?
- (b) Attempt any one out of two : 2
- (1) Explain Toast.
  - (2) Explain Grid View.

- (c) Attempt any one out of two : 3  
 (1) Explain TextView.  
 (2) Explain EditText.
- (d) Attempt any one out of two : 5  
 (1) Explain Android Layouts.  
 (2) Explain Animation.
- 3** (a) Objective type questions : 4  
 (1) What is Bundle ?  
 (2) Which OS comes in Android 2.1 ?  
 (3) What is Splash Screen ?  
 (4) Which permission is required to access internet in applications ?
- (b) Attempt any one out of two : 2  
 (1) Explain Content Provider.  
 (2) Explain AndroidManifest File.
- (c) Attempt any one out of two : 3  
 (1) Explain SQLITE.  
 (2) Explain Cursor with its method.
- (d) Attempt any one out of two : 5  
 (1) Write a program to Add Record using SQLite and display in ListView.  
 (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) Explain Raw HTML file.  
 (3) LBS stands for \_\_\_\_\_.  
 (4) NFC stand for \_\_\_\_\_.
- (b) Attempt any one out of two : 2  
 (1) Explain LBS.  
 (2) Explain Telephony API.
- (c) Attempt any one out of two : 3  
 (1) Explain GPS.  
 (2) Explain Network API.

- (d) Attempt any one out of two : **5**
- (1) Explain WebView with example.
  - (2) Write a Program to Send SMS on Button click.
- 5** (a) Objective type questions : **4**
- (1) List various types of file extensions in Android.
  - (2) Which is latest OS released in Android ?
  - (3) What is Play Store ?
  - (4) Which permission is required to vibrate phone.
- (b) Attempt any one out of two : **2**
- (1) Explain Notification.
  - (2) Explain JSON.
- (c) Attempt any one out of two : **3**
- (1) Write steps to upload application in Play Store.
  - (2) Explain any one notification.
- (d) Attempt any one out of two : **5**
- (1) Explain Manifest file and its common setting.
  - (2) Write steps to deploy .apk file.
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