



JA-003-1036001

Seat No. _____

B. C. A. (Sem. VI) (CBCS) Examination

August – 2019

CS-31 : Mobile Computing Using Android & iphone
(New Course)

Faculty Code : 003

Subject Code : 1036001

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

[Total Marks : 70

- 1 (A) Objective type questions : 4
- (1) Which company first launched android base mobile ?
 - (2) CDMA stands for
 - (3) database which is a useful repository for storage in android.
 - (4) What is .dex file ?
- (B) Answer in brief : (any **one**) 2
- (1) What is Android ? Write last four android code names and versions.
 - (2) Draw the figure of Android platform.
- (C) Answer in detail : (any **one**) 3
- (1) Explain goal of OHA.
 - (2) What is service ? Explain lifecycle of service.
- (D) Write a note on : (any **one**) 5
- (1) What are resources ? Explain any three resources with dynamic code.
 - (2) What is intent ? Explain types of intent with examples.

- 2 (A) Objective type questions : 4
- (1) Theclass is the basic user interface.
 - (2) Which method adds child view controls to a ViewGroup ?
 - (3) Which class co-ordination is between an activity and its Fragment components ?
 - (4) Which folder stores image in Android ?
- (B) Answer in brief : (any **one**) 2
- (1) What is Fragment ? Write steps to static fragment attach with activity.
 - (2) Explain TextView autolink attribute with its value.
- (C) Answer in detail : (any **one**) 3
- (1) Explain Fragment lifecycle with figure.
 - (2) Explain frame by frame animation.
- (D) Write a notes on : (any **one**) 5
- (1) What is Dialog ? Explain any one type of Dialog with example.
 - (2) Explain Twined animation with example.
- 3 (A) Objective type questions : 4
- (1) Write the package name of SQLiteOpenHelper class.
 - (2) What data type return by insert() of SQLiteDatabase class ?
 - (3) Which class reads data from the SQLite database ?
 - (4) The SQLite database is case sensitive. True or False
- (B) Answer in brief : (any **one**) 2
- (1) What are Shared Preferences ?
 - (2) Write down syntax of update() of SQLitDatabase class.

- (C) Answer in detail : (any **one**) **3**
- (1) Differentiate Internal *v/s* External storage API.
 - (2) How to write and read in internal storage ?
- (D) Write a note on : (any **one**) **5**
- (1) Write down complete code for insert and display record in SQLiteDatabase using SQLiteOpenHelper class.
 - (2) Explain sharing data between app with Content Providers.
- 4 (A) Objective type questions : **4**
- (1) Which method is used to get an Address for a given latitude and longitude ?
 - (2) Write full form of JSON.
 - (3) Which method is used to issue a notification ?
 - (4) Which class provides information about the telephony services ?
- (B) Answer in brief : (any **one**) **2**
- (1) Explain vibrating the phone.
 - (2) What is use of Geocoder class ?
- (C) Answer in detail : (any **one**) **3**
- (1) What is location ? Explain any six methods of location object.
 - (2) Explain blinking the light.
- (D) Write a note on : (any **one**) **5**
- (1) What is notification ? Write down steps to create notification.
 - (2) Write down steps to publish android application.
- 5 (A) Objective type questions : **4**
- (1) By default, which is action set in Button control in iOS ?
 - (2) App in iOS is known as

- (3) Give the panel name to display the list of files in iOS.
- (4) Which language supports to develop iOS App ?
- (B) Answer in brief : (any **one**) **2**
- (1) Explain properties of TextField control in iOS.
- (2) Explain properties of Button control in iOS.
- (C) Answer in detail : (any **one**) **3**
- (1) Explain MVC framework.
- (2) Explain X-code component.
- (D) Write a note on : (any **one**) **5**
- (1) Explain Cocoa Touch in iOS.
- (2) Create a product in iOS to display two TextField information in Lable, on touch to Button control.
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