



P-003-1036001 Seat No. _____

B. C. A. (Sem. VI) (CBCS) (W.E.F. 2016) Examination

March / April - 2020

CS - 31 : Mobile Computing Using Android & Iphone

Faculty Code : 003

Subject Code : 1036001

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

[Total Marks : 70

1 (A) Attempt the following :

4

- (1) NFC stands for _____
- (2) DDMS stands for _____
- (3) OHA stands for _____
- (4) SDK stands for _____

(B) Attempt any one :

2

- (1) What is android runtime?
- (2) What is AVD?

(C) Attempt any one :

3

- (1) Explain Androidmainfest.xml
- (2) What is pending intent?

(D) Attempt any one :

5

- (1) Explain Android architecture
- (2) Explain Activity Life Cycle

2 (A) Attempt the following : 4

- (1) _____ view enables users to select a time of the day.
- (2) _____ enable you to specify the location of child objects relative to each other.
- (3) Which android component that manages appearance and format on screen is called ?
- (4) What is the meaning of Toggle Buttons?

(B) Attempt any **one** : 2

- (1) What is canvas?
- (2) What is Progress Bar?

(C) Attempt any **one** : 3

- (1) Explain Simple Cursor Adapter
- (2) Explain TimePicker

(D) Attempt any **one** : 5

- (1) Explain different types of Layout in detail.
- (2) Explain types of animation

3 (A) Attempt the following : 4

- (1) Which enable to store the data in a structured manner in android?
- (2) What is the use of getFilesDir() ?
- (3) _____ enables you to get index of column.
- (4) To read from a database, _____ method is used.

(B) Attempt any **one** : 2

- (1) What is contract class?
- (2) What is External Storage?

(C) Attempt any **one** : 3

- (1) Explain Schema
- (2) How to retrieve available free space in your mobile?

(D) Attempt any **one** : 5

- (1) What is shared preferences? Explain methods for create, search, read, add, update and delete shared preference?
- (2) What is SQLite Database? Explain methods for creating, updating, and deleting and querying database records.

4 (A) Attempt the following : 4

- (1) Full form of JSON
- (2) Full form of GPS
- (3) Full form of LBS
- (4) _____ to perform a GET and download your data.

(B) Attempt any **one** : 2

- (1) What is Inputstream?
- (2) What is notification?

(C) Attempt any **one** : 3

- (1) Explain Geocoding locations.
- (2) What is START_STICKY AND START_REDELIVER_INTENT

(D) Attempt any **one** : 5

- (1) Explain how to check the Network Connection
- (2) Write steps to publish your android application

5 (A) Attempt the following : 4

- (1) MVC stands for _____
- (2) IDE stands for _____
- (3) _____ is a visual design editor that's integrated into xcode.
- (4) In Iphone _____ operating system is used.

(B) Attempt any **one** : 2

- (1) What is control state?
- (2) What is TextField?

(C) Attempt any **one** : 3

- (1) Explain XCODE
- (2) Explain Coca Touch

(D) Attempt any **one** : 5

- (1) Explain framework in detail
- (2) Explain MVC



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

March - 2019

CS - 31 : Mobile Computing Using Android & Iphone

Faculty Code : 003

Subject Code : 1036001

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

[Total Marks : 70]

- 1 (A) Attempt the following : 4
- (1) APK file found in _____ folder.
 - (2) ADB stands for _____
 - (3) ADT stands for _____
 - (4) OHA stands for _____
- (B) Attempt any **one** : 2
- (1) What is android?
 - (2) What is Toast class?
- (C) Attempt any **one** : 3
- (1) What is Drawable?
 - (2) Explain AndroidManifest.xml.
- (D) Attempt any **one** : 5
- (1) Explain Activity Life Cycle with Example.
 - (2) Explain Android Architecture.
- 2 (A) Attempt the following : 4
- (1) _____ is a layout that organizes its children into a horizontal or vertical row.
 - (2) _____ displays the web pages.
 - (3) _____ allows the user to type text into your app.
 - (4) If you want to provide suggestions to users as they type, you can use _____.

(B) Attempt any **one** : 2

- (1) What is AutoCompleteTextView?
- (2) What is canvas?

(C) Attempt any **one** : 3

- (1) Explain DatePicker with Example.
- (2) Explain Progressbar with Example.

(D) Attempt any **one** : 5

- (1) Explain Simple Cursor Adaptor.
- (2) Explain different types of Layout in detail.

3 (A) Attempt the following : 4

- (1) Small collection of key values that you would like to save, you should use the _____ APIs.
- (2) Binary data is shared using the _____
- (3) To create temporary file in internal cache directory _____ is useful.
- (4) _____ returns a File representing an internal directory for your app.

(B) Attempt any **one** : 2

- (1) Methods of data storage.
- (2) What is schema?

(C) Attempt any **one** : 3

- (1) Create application to send text using whatsapp.
- (2) Explain SharedPreference with example.

(D) Attempt any **one** : 5

- (1) Create an application to save file on Internal Storage.
- (2) Create an application on a given employee table to get user input and store it in application using SQL Helper :

Fields like: empid, empname, empsalary

Also perform read operation on the given table.

- 4 (A) Attempt the following : 4
- (1) GPS stands for _____
 - (2) LBS stands for _____
 - (3) ANR stands for _____
 - (4) Use the _____ method to issue the notification.
- (B) Attempt any **one** : 2
- (1) What is Service?
 - (2) What is webview?
- (C) Attempt any **one** : 3
- (1) Explain Android Telephony API.
 - (2) What is Notification? Explain Different types of notifications with example.
- (D) Attempt any **one** : 5
- (1) Explain Geocoding location.
 - (2) Write steps to publish your android application.
- 5 (A) Attempt the following : 4
- (1) _____ is used as basic development language of iPhone app
 - (2) The _____ is the user interface or what the user sees and interacts with.
 - (3) _____ is an IDE containing a suite of software development tools developed by Apple.
 - (4) MVC stands for _____
- (B) Attempt any **one** : 2
- (1) What is Xcode?
 - (2) What is Controls?
- (C) Attempt any **one** : 3
- (1) Write a note on Cocoa Touch in iPhone.
 - (2) Write a note on WC in iPhone.
- (D) Attempt any **one** : 5
- (1) Explain XCode IDE in detail.
 - (2) Explain Empty Application in iPhone.



MAL-003-003620

Seat No. _____

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

March / April - 2018

CS-31 : Mobile Computing using Android & iPhone

Faculty Code : 003

Subject Code : 003620

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

[Total Marks : 70

1 Attempt all the Questions :

20

- (1) Write full form of SDK.
- (2) Write full form of DVM.
- (3) Write full form of OHA.
- (4) Write full form of MCC.
- (5) Write full form of JSON.
- (6) Write full form of NFC.
- (7) When the user selects a checkbox, the Check Box object receives an _____ event.
- (8) _____ layout is a layout that organizes its children into a single horizontal or vertical row.
- (9) In iPhone _____ operating system is used.
- (10) _____ method is used to delete file.
- (11) The WebView class is an extension of Android's _____ class that allows you to display web pages as a part of your activity layout.
- (12) With the help of _____ method we can check the current status of voice call in handset.
- (13) The standard location for displaying notifications and indicators on an android device is the _____
- (14) Use the _____ method to issue the notification.
- (15) A _____ is an application component that can perform long-running operations in the background and does not provide a user interface.
- (16) Write full form of IPC.

- (17) Write full form of ANR.
(18) _____ is the base class of all services.
(19) _____ is a visual design editor that's integrated into Xcode.
(20) _____ is used as basic development language of iPhone App.

2 (A) Attempt any Three : 6

- (1) What is Map View?
- (2) What is Contract Class?
- (3) What is Application Framework?
- (4) What is android Runtime?
- (5) What is canvas?
- (6) What is android.xml or manifest file?

(B) Attempt any Three : 9

- (1) Explain requirement of bin folder.
- (2) What is longitude and latitude?
- (3) What is padding?
- (4) Explain ID and UI.
- (5) What is Drawable?
- (6) What is schema?

(C) Attempt any Two : 10

- (1) Explain MVC framework in detail.
- (2) Explain creating a bound service.
- (3) How to update a notification? Explain with suitable example.
- (4) Explain how to check the Network Connection.
- (5) Explain Cocoa Touch in detail.

3 (A) Attempt any Three : 6

- (1) What is Xcode?
- (2) Explain onCreate().
- (3) Define LED notification.
- (4) What is HTTP?
- (5) What is TextField?
- (6) What is WebView?

(B) Attempt any Three :

9

- (1) What is bound service?
- (2) What is Control event? Explain briefly.
- (3) List out components available with notification.
- (4) Explain Android Telephony API.
- (5) What is Empty Application?
- (6) What is special activity?

(C) Attempt any Two :

10

- (1) Explain different Intent types.
 - (2) Explain how GPS works.
 - (3) Explain Linear Layout in detail.
 - (4) Explain Activity life cycle with example.
 - (5) Explain Android Architecture.
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NAM-003-003620 Seat No. 060239

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

March / April - 2017

CS-31 : Mobile Computing Using Android & Iphone

Faculty Code : 003

Subject Code : 003620

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

[Total Marks : 70]

1 Attempt the following : 20

- (1) _____ Company owns the Android.
- (2) NFC stands for _____.
- (3) What is emulator?
- (4) What is the default location of APK file?
- (5) .apk file stands for _____.
- (6) DDMS stands for _____.
- (7) Which tag creates TextView widget in UI ?
- (8) Which layout organizes its children into a single horizontal or vertical row?
- (9) Which view displays web pages ?
- (10) Which storage is not always available ?
- (11) By using which function we can query the external storage state ?
- (12) GPS stands for _____.

- (13) Which is the key class in the Google maps android API ?
- (14) Most network connected Android apps use which protocol to send and receive data?
- (15) What is ANR in android?
- (16) What is the application class in android?
- (17) JSON stands for _____.
- (18) What is Model in MVC?
- (19) Which is the IDE for iPhone application development?
- (20) A _____ is an application component that can perform long running operations in the background and does not provide a user interface.

2 (a) Attempt any three :

6

- (1) What is shared preferences?
- (2) List out basic UI.
- (3) What is DDMS?
- (4) What is map view?
- (5) What is Canvas?
- (6) What is MVC in iPhone?

(b) Attempt any three :

9

- (1) Explain Android Platform.
- (2) What is .dex file?
- (3) What is drawable?

- (4) What is ID and UI?
- (5) What is Schema?
- (6) Explain androidManifest.xml.

(c) Attempt any two .

10

- (1) Write steps to build any application.
- (2) Explain Linear Layout.
- (3) Explain Activity life cycle with example.
- (4) Explain Android Architecture.
- (5) Explain Application object.

3 (a) Attempt any three :

6

- (1) What is Controls in iPhone?
- (2) What is Toast class?
- (3) List out types of Notification.
- (4) What is AsyncTask?
- (5) Explain empty application in iPhone.
- (6) Explain Xcode.

(b) Attempt any three :

9

- (1) What is KeyBoard layout in TextField in iPhone?
- (2) Explain Configure version manifest data.
- (3) How to create a notification builder?

- (4) What is ID and UI?
- (5) What is Schema?
- (6) Explain androidManifest.xml.

(c) Attempt any two : 10

- (1) Write steps to build any application.
- (2) Explain Linear Layout.
- (3) Explain Activity life cycle with example.
- (4) Explain Android Architecture.
- (5) Explain Application object.

3 (a) Attempt any three : 6

- (1) What is Controls in iPhone?
- (2) What is Toast class?
- (3) List out types of Notification.
- (4) What is AsyncTask?
- (5) Explain empty application in iPhone.
- (6) Explain Xcode.

(b) Attempt any three : 9

- (1) What is KeyBoard layout in TextField in iPhone?
- (2) Explain Configure version manifest data.
- (3) How to create a notification builder?

- (4) What is bound service?
- (5) What is regular activity?
- (6) How to check the network connection?

(c) Attempt any two :

10

- (1) Write steps to get SIM status and its details.
 - (2) How GPS works? Explain.
 - (3) Explain Cocoa Touch in detail.
 - (4) Explain creating a bound service.
 - (5) Write steps to publish App in android.
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AAG-003-003620 Seat No. _____

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

March / April - 2016

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

Faculty Code : 003

Subject Code : 003620

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

[Total Marks : 70

1 Attempt the following MCQ : 20

- (1) Android is founded in _____.
(A) October 2003 (B) October 2005
(C) October 2008 (D) None
- (2) _____ Company purchased Android.
(A) Google (B) Apple
(C) Microsoft (D) Nokia
- (3) Android is use _____ for execute program.
(A) Java Virtual Machine
(B) Kilobyte Virtual Machine
(C) Dalvik Virtual Machine
(D) None
- (4) In LinearLayout set the orientation, _____ is used at runtime.
(A) createorientation() (B) setorient()
(C) android: orientation (D) (A) and (B) both
- (5) Following is not version of Android.
(A) Aestro (B) Jelly Bean
(C) Coca-Cola (D) None
- (6) The extension of the AndroidManifest file is _____.
(A) .java (B) .xml
(C) .class (D) .dex

- (7) AVD stands for _____
(A) Android Visual Device
(B) Android Virtual Device
(C) Android Virtual Domain
(D) None
- (8) Activity is a class that represents the _____.
(A) Data (B) Query
(C) List Items (D) Single Screen
- (9) _____ is not Layout in android.
(A) LinearLayout (B) FrameLayout
(C) RelativeLayout (D) TableLayout
- (10) Toast is a _____ in android
(A) Button (B) State
(C) Layout (D) Dialog
- (11) _____ method is method of Cursor class.
(A) moveToFirst() (B) getCount()
(C) (A) and (B) both (D) None
- (12) GPS stands for _____
(A) Google Positioning System
(B) Global Platform System
(C) Global Positioning System
(D) None
- (13) JSON stands for _____
(A) Javascript Object Notation
(B) Javascript Over Network
(C) Javascript Object Navigation
(D) None
- (14) _____ is the IDE for iPhone app development.
(A) X-Code (B) Netbeans
(C) eclipse (D) None
- (15) DDMS is stands for _____
(A) Dalvik Debug Monitoring Service
(B) Data Debug Management System
(C) Device Data Management Service
(D) None

- (16) For Database Operation we have to extends _____ class.
(A) onDestroy() (B) finishActivity()
(C) finished() (D) SQLiteOpenHelper

(17) _____ file is an auto-generated file in android.
(A) ActivityJava (B) main.xml
(C) Activity.class (D) R.java

(18) _____ file is resource in android.
(A) R. Java (B) string.xml
(C) BuildConfig.java (D) All of the above

(19) aapt stands for _____
(A) Android Assemble Package Tools
(B) Android Assets Packaging Tool
(C) Android Access Package Tool
(D) None

(20) Which method is not Activity Life Cycle Method?
(A) onCreate() (B) finished()
(C) onStart() (D) unstop()

2 (a) Attempt the following : (any three)

6

- (1) What is Android?
 - (2) What is Activity?
 - (3) What is View?
 - (4) What Intent?
 - (5) What is Web view?
 - (6) What is iPhone?

(b) Attempt the following : (any three)

9

- (1) Explain R. Java file.
 - (2) Explain Android History in detail.
 - (3) Explain how to create menu in android.
 - (4) ProgressDialog in Android.
 - (5) Android S/W Stack- Application.
 - (6) Explain Core Building Block in android

- (c) Attempt the following : (any two) 10
- (1) Explain Dalvik VM in detail.
 - (2) Explain Activity life cycle with example.
 - (3) Explain steps to publish android app.
 - (4) Explain Layout in Android in detail.
 - (5) List and explain the types of resources in Android.
- 3 (a) Attempt the following : (any three) 6
- (1) Explain Toast class.
 - (2) What is .apk file?
 - (3) What is LBS?
 - (4) What are the methods of data storage?
 - (5) What is Canvas?
 - (6) Explain DatePicker.
- (b) Attempt the following : (any three) 9
- (1) Explain Button in iPhone.
 - (2) Explain XCode IDE in detail.
 - (3) Explain Spinner with example.
 - (4) Explain Geocoder.
 - (5) Explain Telephony API in detail.
 - (6) Explain Network API in detail.
- (c) Attempt the following : (any two) 10
- (1) Explain how to SQLOpenHelper in detail.
 - (2) Write a note on Cocoa Touch in iPhone.
 - (3) Explain how to notifying with the status bar.
 - (4) Write a note on ListView with example.
 - (5) Write a note on JSON.



Seat No. _____

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

April / May - 2015

CS-31 : Mobile Computing Using Android & iPhone

Faculty Code : 003

Subject Code : 003620

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

[Total Marks : 70

1 Attempt the following MCQ :

20

1 AVD stands for _____

- (A) Android Virtual Device
- (B) Android Video Device
- (C) Android Verbal Device
- (D) None

2 _____ Company owns the Android.

- (A) Google
- (B) Apple
- (C) Microsoft
- (D) Nokia

3 OHA stands for _____.

- (A) Open Handset Alliances
- (B) Open Handset Apps
- (C) Open Handset Alternative
- (D) Open Handset Activated

4 _____ intent specify the component to start by name.

5 MCC stands for

- (A) Mobile Country Code
 - (B) Mobile Country Card
 - (C) Mobile Card Counter
 - (D) None

6 Java files stores under src folder.

7 APK file is found in _____.

method is used to read from database.

- (A) cursor (B) query
(C) onclick (D) none

9 _____ is used to send and receive data in Android apps.

- (A) FTP (B) HTTP
(C) SMTP (D) HTTPs

10 What is used to check the current statuses of voice call in handset?

- (A) getTelephonyManger()
(B) getCallState()
(C) getView()
(D) getCallList()

11 _____ method is used to issue a notification.

- (A) notification()
(B) flash()
(C) notify()
(D) advertise()

12 _____ is the base class of all services.

- (A) Activity (B) Intent
(C) Service (D) None

13 JSON stands for.....

- (A) Javascript Object Navigation
- (B) Javascript Over Network
- (C) Javascript Object Notation
- (D) None

14 _____ is the IDE for iPhone app development.

- (A) Eclipse
- (B) Netbeans
- (C) X-Code
- (D) None

15 _____ tells the current interactive state of a control.

- (A) Control cycle
- (B) Control event
- (C) Control state
- (D) Control card

16 An activity can be shut down by calling its _____ method.

- (A) onDestory()
- (B) finishActivity()
- (C) finished()
- (D) finish()

17 Layouts in android ?

- (A) Table Layout
- (B) Linear Layout
- (C) Relative Layout
- (D) All of the above

18 Android supports which kind of screen densities ?

- (A) lower density
- (B) medium density
- (C) extra high density
- (D) All of the above

19 _____ acquired Android in _____ year.

- (A) Microsoft, 2002
- (B) Apple, 2003
- (C) Nokia, 2004
- (D) Google, 2005

20 First smart phone running android was

- (A) Nokia One
- (B) Nexus 3
- (C) Galaxy R
- (D) HTC Dream

2 (a) Attempt the following (any three) : 6

(1) What is DVM ?

(2) What is Shared Preferences ?

(3) What is View?

(4) What is LBS?

(5) What is map view?

(6) What is control state in iPhone?

(b) Attempt the following (any three) : 9

(1) Explain AndroidManifest.xml file

(2) Explain is padding and margin.

(3) Explain how to receive data from other apps.

(4) Log class in Android

(5) Android S/W Stack - Application

(6) Explain Schema in brief

(c) Attempt the following (any two) : 10

(1) Android Architecture

(2) Explain Activity life cycle with example

(3) Explain steps to publish android app

(4) Explain SQLHelper, create a database using SQLHelper

(5) List and explain the types of resources in Android.

3 (a) Attempt the following (any three) :

6

- (1) List various layouts and define any one.
- (2) What is .apk file?
- (3) Define Drawable in Res folder.
- (4) What are the methods of data storage?
- (5) What is Canvas?
- (6) Explain MVC with iPhone.

(b) Attempt the following (any three) :

9

- (1) Explain Button Shadow in iPhone.
- (2) Explain components of XCode IDE.
- (3) Explain AsyncTask
- (4) Explain Intent filter
- (5) Explain Control states and Control Events in Iphone.
- (6) Explain Empty Application in iPhone

(c) Attempt the following (any two) :

10

- (1) Explain how to read information from a SQL Database.
- (2) Write a note on Cocoa Touch in iPhone.
- (3) Explain how to get Service Information with example.
- (4) Write a note on Spinner widget with example.
- (5) Write a note on various Intent types.