||||||||||||||||||||||||||||||||||||||||||||||||||
*JA-003-003620*

**JA-003-003620**     Seat No. _____

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

## August – 2019

## CS - 31 : Mobile Computing Using Android & Iphone

### (Old Course)

**Faculty Code : 003**

**Subject Code : 003620**

Time : $2\frac{1}{2}$ Hours]     [Total Marks : **70**

**1** Attempt all the questions :     **20**

(1) Full form of OHA.

(2) Is android an Operating System ? (True/False).

(3) NFC stands for _____.

(4) _____ is a container object that groups a set of child views.

(5) _____ is a messaging object you can use to request an action from another app component.

(6) A _____ is an object that draws something on the screen that the user can interact with.

(7) Write down 2 different types of storage (Only names).

(8) To read from a database, use the _____ method.

(9) Full form of GPS.

(10) Full form of API.

(11) _____ storage is not always available.

(12) A _____ object is a wrapper around an Intent object.

(13) Use the _____ method to issue the notification.

(14) Full form of JSON.

(15) Full form of IPC.

(16) AIDL stands for _____ .

(17) The _____ represents the data in your application.

(18) MVC stands for _____ .

(19) Full form of IDE.

(20) A _____ describes the current interactive state of a control.

2  (A)  Attempt any **three** :                                                6

    (1)  What is ViewGroup ?

    (2)  What are assets ?

    (3)  List out types of services. (Only names).

    (4)  List out types of Intents. (Only names).

    (5)  Define the term layout.

    (6)  Which operating system is used in iPhone ?

  (B)  Attempt any **three** :                                               9

    (1)  What is .apk file ?

    (2)  What is view ?

    (3)  What is drawable ?

    (4)  What is margin ?

    (5)  Explain Animation.

    (6)  Explain Resource Overview.

  (c)  Attempt any **two** :                                                10

    (1)  Write a detailed note on Cocoa touch.

    (2)  Write down code to update data from a database using SQLite.

    (3)  Explain Control state in detail.

    (4)  Explain Activity Life Cycle in detail.

    (5)  Write a program to check whether the given number is armstrong or not.

3     (A)   Attempt any **three** :                                          **6**

                  (1)    What is framework ?

                  (2)    What is XCode ?

                  (3)    What is control events ?

                  (4)    What is animation ?

                  (5)    What is GPS ?

                  (6)    What is notification ?

    (B)   Attempt any **three** :                                            **9**

                  (1)    What is service ? Explain in brief.

                  (2)    Explain Geocoding locations.

                  (3)    Explain Android SDK in brief.

                  (4)    List out components available with notification.

                  (5)    What is regular activity ?

                  (6)    Explain storage types in brief.

    (c)   Attempt any **two** :                                              **10**

                  (1)    Write a detailed note on layouts.

                  (2)    Explain checkbox control with suitable example.

                  (3)    Short note on MVC architecture.

                  (4)    Explain Android networking API.

                  (5)    Explain Android Architecture.

_____