



**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.
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