NAO-003-039603   Seat No. _____

B. Voc. (ACTECH.) (Sem. VI) (CBCS) Examination

March / April - 2017

ACTECH-6.3 : Mobile Computing in iOS

Faculty Code : 003

Subject Code : 039603

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

1   Answer the following Questions :   **20**

   (1)   What is Objective-C?

   (2)   What is Xcode ?

   (3)   What is Interface Builder?

   (4)   What is .h file in ios?

   (5)   What is .m file in ios?

   (6)   Explain how string is represented in Objective-C?

   (7)   What is use of @interface in Objective-C?

   (8)   Explain how the class "IMPLEMENTATION" is represented in Objective-C?

   (9)   What stands for IBOutlet ?

   (10) What is @property?

   (11) What is @synthesize ?

   (12) What stands for IBAction ?

   (13) Explain NSLog method and use of it.

   (14) What will be output of given code ?

         NSString *car = @"Maserati GranTurismo";

         NSLog(@"%@", [car substringToIndex:8]);

(15) What is plist file and explain about its usage?

(16) How to Accessing Properties in iOS ?

(17) What are the location services?

(18) What is local notification?

(19) What is Bundle ID?

(20) What is Swift ?

2 (a) Attempt the following : (Any **Three**)   6

(1) Explain what objective-C program basically consists of?

(2) What is AutoLayout ? Explain it.

(3) Explain atomic in property.

(4) Explain NSArray with it's different methods.

(5) Explain strong in property.

6) What is UIAlertView ? Give example of it.

(b) Attempt the following : (Any **Three**)   9

(1) How can you store data in iPhone applications?

(2) What is the Responder Chain?

(3) What is Location Handling ? Explain Location Manager.

(4) Explain icloud Data persistence in iOS.

(5) What are the features added in iOS 9?

(c) Attempt the following : (Any **Two**)   10

(1) What is UI ? How to make it's awesome. List different wireframe tools (on-line/off-line).

(2) Give an example of what are Delegate methods and what are Data Source methods of UITableview.

(3) Explain SQLite Databases in ios with Creating a Database example.

(4) Explain the steps involved in submitting the App to App-Store.

(5) What is the difference between device Token and Device UDID?

3 (a) Attempt the following : (Any **Three**) 6

(1) What is the difference between viewDidLoad and viewDidAppear?

(2) Explain ViewController and use of it.

(3) What is Automatic Reference Counting (ARC) ?

(4) What are the different ways to specify layout of elements in UIView?

(5) What is Cocoa Framework?

(6) Creating Sets using NSSet class and initialize object with setWithObjects Example.

(b) Attempt the following : (Any **Three**) 9

(1) Objective-C's primitive data types ? OR List out all primitive datatypes and it's format specifier.

(2) Difference between Category and Class Extension.

(3) What is Difference between Simulator and Emulator ?

(4) Explain gesture recognizers and it's types.

(5) What is push notification? How it works ?

(6) Explain NSMutableString with it's method with example.

(c) Attempt the following : (Any **Two**) 10

  (1) Define iPhone Architecture.

  (2) What is MVC? Explain it with appropriate example.

  (3) List and explain the different types of iOS Application States.

  (4) List out UI Elements in iOS and explain any three of them.

  (5) Write a program using UILabel, UIButton & UITextField on Button Click Label Text will change with textfield value which you have been entered.

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