



MAO-003-039603 Seat No. _____

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

March/April – 2018

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 Xcode ?
- (2) What is Objective-c ?
- (3) What is Swift ?
- (4) What is @interface ?
- (5) What is .m file in Objective C ?
- (6) What is ↑ h file in Objective C ?
What will output of given code ?
- (7)

```
NSString *str = @"BVoc ACTech IOS";  
NSLog@"%@", [str substringToIndex:8];
```
- (8) What is use of @implemetation in Objective-C ?
Explain how the class "IMPLEMENTATION" is represented in Objective-C?
- (9) What stands for IBOutlet ?
- (10) What is @property ?
- (11) What is @synthesize in Objective-C ?
- (12) What stands for IBAction ?
- (13) Explain NSLog method and use of it.
- (14) What is Auto-Layout ?

- (15) What is .plist file and explain about its usage ?
- (16) What is nonatomic?
- (17) How to Accessing Properties in Objective C ?
- (18) What is IPA in iOS ?
- (19) What is local notification?
- (20) What is use of Device Token in iOS ?

- 2** (a) Attempt the following : (Any **Three**) **6**
- (1) Explain class definition in Objective-C.
 - (2) Explain ViewController and use of it.
 - (3) What is Automatic Reference Counting (ARC) ?
 - (4) What is Cocoa/Cocoa Touch ?
 - (5) Why iPhone apps are popular? Features of ios.
 - (6) Creating Sets using NSMutableSet class and initialize object with initWithObjects.
- (b) Attempt the following : (Any **Three**) **9**
- (1) Give any four important data types found in Objective-C.
 - (2) What is difference between Diff: ViewDidLoad / ViewDidAppear ?
 - (3) Explain Gesture Recognizers and its types.
 - (4) Explain NSMutableArray with its method with example.
 - (5) What is Push Notification? How it works.
 - (6) List out different Data Persistence Options in iOS.
- (c) Attempt the following : (Any **Two**) **10**
- (1) Define iPhone Architecture ?
 - (2) Write a program using UILabel, UIButton and UITextField on Button Click Label Text will Change with textfield value which you have been entered.
 - (3) List and explain the different types of iOS Application States.
 - (4) Explain NSDictionary and NSMutableSet object with its methods.
 - (5) What is MVC ? Explain it with appropriate example.

- 3** (a) Attempt the following : (Any **Three**) **6**
- (1) Explain what objective-C program basically consists of?
 - (2) What are the new features in XCode 6 and Latest Version ?
 - (3) Explain atomic and non-atomic in property.
 - (4) Explain NSArray with its different methods.
 - (5) Explain strong and weak in property.
 - (6) What is Localization in iOS?
- (b) Attempt the following : (Any **Three**) **9**
- (1) What is UIAlertView ? Give example of it.
 - (2) What are the features added in iOS 9 ?
 - (3) What is the Responder Chain ? Explain it with diagram.
 - (4) What is Location Handling ? Explain LocationManager.
 - (5) List out different advantages of Swift Language.
 - (6) What is the difference between device Token and Device UDID ?
- (c) Attempt the following : (Any **Two**) **10**
- (1) What is Gesture Recognizer? Explain different types of it.
 - (2) Give us example of what are Delegate methods and what are Data Source methods of UIPickerView View.
 - (3) Define terms of UI/UX and List out different UI/UX and Wireframe design tools.
 - (4) Explain SQLite Databases in iOS with Creating a Database example.
 - (5) Explain the steps involved in submitting the App to App-Store.