1206M265

Intg. M.Sc. IT MAD Semester 2 Examination
MSCMA 408
Basic iOS Programming

Time : 2-30 Hours]

June-2024

[Max. Marks : 70

Section - 1:   (20)

1. Which of the following framework is not used in iOS?

    a)   CoreMotion Framework

    b)   AppKit framework

    c)   Foundation framework

    d)   UIKit framework

2. IOS is written in which programing languages?

    a)   C#,Node,procedural-C, Swift

    b)   C, C#, Objective-C, Swif

    c)   C#,Node,Objective-C, Swift

    d)   C, C++, Objective-C, Swift

3. Which of the following built-in database used in iOS?

    a)   MySCL

    b)   Oracle

    c)   SQLite

    d)   None of the above

4. Delegate in iOS is used to Create the relationship between the objects.

    a)   Can be yes or no

    b)   No

    c)   can not say

    d)   True

(P.T.O)

5. Cocoa touch used to refer the application development using any programmatic interface?

    a) TRUE

    b) FALSE

    c) Can be true or false

    d) Can not say

6. When an app is said to be in not running state?

    a) When it is launched

    b) When it is not launched

    c) None of the above

    d) Both B and A

7. In Which state the app is running in the foreground and is receiving events?

    a) Not running

    b) Inactive

    c) Background

    d) Active

8. UIKit classes should be used only from an application's main thread.

    a) TRUE

    b) FALSE

    c) Can be true or false

    d) Can not say

9. Which keyword is used to declare a constant in Swift?

    a) var

    b) let

    c) Const

    d) Static

10. What does the following Swift code print?

```
let numbers = [1.1,2.2, 3.3]
var sum = 0
for number in numbers {
  sum += number
}print(sum)
```

   a)   6

   b)   6.06

   c)   6.6

   d)   0

11. What is the significance of *weak* keyword in Swift?

   a)   It declares a variable that cannot be nil

   b)   It prevents retain cycles by creating a weak reference

   c)   It is used to define strong types

   d)   It enhances variable performance

12. What does the following Swift code demonstrate?

```
let names = [Annan, Alex, Brian, Jack]
for name in names
{ print("Hello, \(name)!") }
```

   a)   Array iteration using a for-in loop

   b)   Creation of a new array

   c)   Use of a while loop

   d)   Error in arrays

(P.T.O)

13. How do you declare a variable in Swift that can hold a nil value?

   a)   Using the nil keyword

   b)   By declaring it as const

   c)   By declaring it as an optional

   d)   By initializing it with zero

14. What is the output of this Swift code?

   var fruits = ["Apple", "Banana"]

   fruits.append("Cherry")print(fruits.count)

   a)   2

   b)   3

   c)   1

   d)   Error

15. How do you create an instance of a class in Swift?

   class Vehicle {

   var type = ""

   }let car = Vehicle()

   a)   Error, missing constructor

   b)   Correct instantiation

   c)   Error, incorrect syntax

   d)   None of the above

16. What is the latest version of iOS?

   a)   iOS 16.6

   b)   iOS 15.6

   c)   iOS 16.06

   d)   iOS 15.06

17. integrated development environment (IDE)

    a) integrated development environment

    b) itermediate design enviranment

    c) integrated development enviranment

    d) integrated design enviranment

18. Which of the following is true about Swift?

    a) Swift is an open-source programming language

    b) Swift is used in iOS development

    c) Swift can be compiled as a dynamic framework

    d) All of the above

19. What is the meaning of question mark "?" in Swift?

    a) used in function declaration

    b) used in property declaration

    c) used in loop declaration

    d) used in parameter declaration

20. How can you make a property optional in Swift?

    a) You have to declare a question mark & in the code to make a property optional

    b) You have to declare a question mark ? in the code to make a property optional

    c) You have to declare a question mark ?? in the code to make a property optional

    d) None of the above

(P.T.O)

Section - 2:

Question 1:

a) What is UIKIT , Views and ViewControllers. (03)

b) Draw and Explain iOS app Architecture . (05)

c) Explain Action , outlet , segue with sysntax and example (05)

OR

c) Draw and Explain iOS LIfeCycle state. (05)

d) List out all CollectionView method and Explain four collectionview

delegate and datasource method (07)

Question 2:

a) Difference between let and var keyword. (03)

b) List out and explain condition Statement with example (05)

c) Explain UIPickerview and UIPickerview methods (07)

OR

c) Explain UITableView and UITableview methods (07)

Question 3:

a) What is array and how to declare and initialize value in array and List

out type of array (03)

b) How to Declare and assign value in variable ,function and method

with example (05)

c) Draw and Explain the viewController lifecycle with all method (07)

OR

c) Write a code of Custom Radio button (07)

*******ALL THE BEST******