

Name:

Enrolment No:



UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
End Semester Examination, December 2018

Programme Name: BTech-CS-Mobile Computing
Course Name : Mobile Application Development using IOS
Course Code : CSIT361
Nos. of page(s) :

Semester : V
Time : 03 hrs
Max. Marks: 100

SECTION A

S. No.		Marks	CO
Q 1	Illustrate the functionality of drag and drop in Interaction.	04	CO1
Q 2	Elaborate the usage of file system along with Core Data and UI document.	04	CO3
Q 3	Derive and apply the functionality of alert and action sheet using X Code.	04	CO2
Q 4	How can you respond to state transitions on your application? Illustrate with an example.	04	CO4
Q 5	Illustrate the usage of category in Object C	04	CO3

SECTION B

Q 6	Derive and formulate fast enumeration with the help of X Code.	10	CO4
Q 7	Interpret and define multiple MVC? Illustrate the navigation in multiple MVC's.	10	CO1
Q 8	Compare the following : (a) KVO and KVC (b) NSNotification and Delegate	10	CO2

OR

Q 9	Analyze and compare Notification and NSNotification with the help of X Code. Illustrate the usage of category in Object C. Also, explain Protocols and its types.	10	CO3 CO4
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SECTION-C

Q 10	Analyze the storage of private google data in a secured manner offline on a device? A Product managing Company reports that the application is crashing. Illustrate the	20	CO4
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techniques/methods to resolve it.

OR

What happens when you add your created object to a mutable array and then release your object? Demonstrate with the help of X Code. What are the benefits of Collection Use?

20

CO1

Q 11 Analyze and compare relation between VAR and @property? Interpret NSURLConnection Class, its types and use cases.

20

CO2

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SECTION A

S. No.		Marks	CO
Q 1	Derive the formulation for usage of Controller Object in UI Application.	04	CO1
Q 2	Illustrate the usage and functionality of Keyboard with the help of an example	04	CO3
Q 3	Compare and summarize different swift pattern matching techniques.	04	CO2
Q 4	Compare App ID and Bundle ID. What do you mean by unnamed category?	04	CO4
Q 5	Illustrate the functionality of GCD? What are its advantages over NSThread ?	04	CO2

SECTION B

Q 5	State and Compare Extension, Process and Thread. What is toll free bridging and when it is used?	10	CO4
Q 6	Derive the formulation of Class Extension? Why do we require them? Describe managed object context and its function.	10	CO1
Q 7	Illustrate the expression for fast enumeration with the help of X Code.	10	CO2

OR

	Write down the X Code for multithreaded IOS API.	10	CO3
Q 8	What happens when we send any message to an object, which is released? What is a Bundle? Demonstrate using X Code.	10	CO4

SECTION-C

Q 9	Illustrate the process/method to make a Code Snippet Thread safe? What is the relation between VAR and @property? Derive the expression using X Code.	20	CO4
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OR

	Formulate the expression for Auto Layout? What does it mean by saying that a	20	CO1
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Constraint is broken by IOS? What happens when a block is created?

- Q 10 Illustrate the options for implementing storage and persistence on iOS? How and when the data would needs to be serialized and mapped on iOS. Derive an expression on the options for laying out UI on iOS? 20 CO2