Instructions:

(1) Fill up strictly the details of name and signs on your answer book.

(2) Draw the figure and give examples whenever necessary.

1. Answer the following questions in short:

   (i) What is .h and .m files Objective-C?

   (ii) What is Bonjour and DNS services?

   (iii) Explain about method structure in Objective-C.

   (iv) Define Window and View Object.

   (v) What is ARC? How it works?

   (vi) What is the significance of ‘id’?

   (vii) What is IBOutlet and IBAction?

   (viii) Differentiate strong and weak attribute with respect to @property.

   (ix) Which is the super class of all objects? What is its importance?
Answer the following questions: (any three)  

(i) Differentiate alert Dialog and Action sheet. Write steps to implement alert Dialog.

(ii) What are longitude and latitude values? How they are useful to show current location of user?

(iii) Write a program that calculates the sum of the primary digits of an integer. For example, the sum of the primary digits of the number 8165 is $1+5=6$. The program should accept any arbitrary integer the user types.

(iv) What is runtime polymorphism? Explain its implementation in Objective-C with example.

Answer the following questions: (any three)

(i) What is SQLite? Write steps to perform insert and delete operation.

(ii) How will you create custom view programmatically? Explain any two custom view with example.

(iii) Explain different types of Xcode IDE inspectors with their purpose.

(iv) What is segue? Write steps to transfer information between scenes.

Answer the following questions: (any two)

(i) Write steps to implement dynamic table with navigation controller.

(ii) Explain different attributes of @ property.

(iii) What is delegate? Explain following with example.

   (i) Category

   (ii) Extension

   (iii) Protocol