

- B** How to achieve memory management in iOS? Explain with example in detail. [04]
- C** Write an iOS code to create an actionsheet in swift and generate the alert box after selecting the action from the actionsheet. [06]

OR

- C** Write an iOS code to develop an application for counting the button click and display the message on screen of number of count. Moreover add the function of button click if reaches the count of 20 then button should get disable. [06]

SECTION – II

Q - 4 Answer the following questions.

- A** List out the difference between JVM and DVM? [01]
- B** What is AVD? Explain the process of creating AVD in Android application development. [02]
- C** What is widget in android application? [01]
- D** What does the following line of code achieve? [01]

Intent intent = new Intent(FirstActivity.this, SecondActivity.class);

- I. Creates an hidden Intent II. Creates an implicit Intent
- III. Create an explicit Intent IV. Starts an activity
- E** List out the pros and cons of using cross platform mobile application development? [02]

OR

- E** What is the significance of android manifest file? [02]

Q - 5 Answer the following questions.

- A** What is Service? Explain each state of service and differentiate between Activity and Service. [05]

OR

- A** Explain web, native and hybrid mobile application development along with its advantages and disadvantages. [05]
- B** What is android activity lifecycle? Explain the role of each method in detail. [07]
- C** What is intent? Explain explicit vs. implicit intents. [02]

Q - 6 Answer the following questions.

- A** Write a code to send data from one activity to another activity using implicit intent. [04]
- B** List down the advantages and disadvantages of SQLite Database. [04]
- C** Write a code for android application to insert EmployeeDetails (eID, eName, eJoiningDate, eSalary) in SQLite database using Android App. [06]

OR

- C** What is ScrollView and ListView? Explain anyone with suitable example. [06]