



RAN - 2111040102050002

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MCA (Sem. II) Examination May - 2023

iOS Development using Swift : Paper 205

Time: 3 Hours]

[Total Marks: 70

સૂચના : / Instructions

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નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the details of signs on your answer book

Name of the Examination:

☛ **MCA (Sem. II)**

Name of the Subject :

☛ **iOS Development using Swift : Paper 205**

Subject Code No.: **2111040102050002**

Seat No.:

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Student's Signature

Q.1 Answer the following: (14)

A. What is View Controller? Explain View Controller life cycle in detail. 7

OR

What is Story board? Explain MVC pattern in Interface Design.

B. Differentiate Swift and SwiftUI. Explain about UIKit Framework. 5

C. What is interface builder? Explain about it in brief. 2

Q.2 Answer the following: (14)

A. Differentiate Protocols and Extensions. Explain each one with example. 7

OR

Differentiate class and structures. Explain Enumerations and structure with example.

B. Explain about Error Handling with example. 5

C. What are Initializers in swift. 2

- Q.3 Answer the following: (14)**
- A. Explain UIGestureRecognizer and its Working with different types of Gestures. 7

OR

Write a note on alertController and its Types.

- B. Explain static TableViewController with example. 5
- C. What are IBActions and IBOutlets? 2

- Q.4 Answer the following: (14)**

- A. Explain about Core Data Framework stack with neat diagram. 7
- B. Explain about JSON parsing with example. 5
- C. What are User Defaults in swift. 2

- Q.5 Answer the following: (14)**

- A. Explain with example array, set and dictionary. 7
- B. Writ steps to publish app to AppStore. 5

OR

Explain about Annotation and Overlays with respect to Map Kit View.

- C. How to use Core Motion to read Accelerometer data? 2
