

B.Sc.(IT) Semester - 6 (CBCS) Examination**March/April-2026 (NEW COURSE)****Mobile Computing using Android and iPhone (Core (New))****Time: 2:30 Hours****Marks: 70****Instructions:**

1. All questions are compulsory.
 2. Figures to the right indicate marks.
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- Que. 1 (A) Give Answers of following Questions (03)
- 1) What is an activity?
 - 2) What is open handset alliance?
 - 3) What is android studio?
- Que. 1 (B) Attempt the following: (Any two) (06)
- 1) What is Android Manifest File? Explain its use.
 - 2) What is context in android? Explain it.
 - 3) Differentiate: onstart() v/s onResume()
 - 4) List various Android Services. Explain any one in detail.
- Que. 1 (C) Attempt the following: (Any one) (05)
- 1) What is Emulator? Write its usefulness.
 - 2) Explain anatomy of Android application.
- Que. 2 (A) Give Answers of following Questions: (03)
- 1) What is Frame by Frame Animation?
 - 2) In _____ folder animations are stored.
 - 3) _____ dialogs allow the user to select the date.
- Que. 2 (B) Attempt the following: (Any two) (06)
- 1) Explain FadeIn and Fade Out.
 - 2) Explain Edit Text and Text View.
 - 3) Explain Date Picker and Time Picker.
 - 4) Explain List View and Grid View.
- Que. 2 (C) Attempt the following: (Any one) (05)
- 1) Explain different Layouts.
 - 2) Create an application which shows the use of Table Layout.
- Que. 3 (A) Give Answers of following Questions. (03)
- 1) What is API?
 - 2) Android has _____ built in database.
 - 3) What is REST?

- Que. 3 (B) Attempt the following: (Any two) (06)
- 1) List various methods of SQ Lite Database class. Explain any one with example.
 - 2) What is Content Resolver? Explain it.
 - 3) What is shared preferences?
 - 4) Explain Internal Storage in Android giving example.
- Que. 3 (C) Attempt the following. (Any One) (05)
1. Write a note on Content Providers.
 2. Explain Retrofit.
- Que. 4 (A) Give Answers of following Questions (03)
1. What is Web API?
 2. What is GPS?
 3. What is LBS?
- Que. 4 (B) Attempt the following: (Any two) (06)
1. Explain Vibrate() with example.
 2. Explain the uses of Web API.
 3. Explain the uses of Networking API.
 4. List various Location based services. Explain any one.
- Que. 4 (C) Attempt the following: (Any one) (05)
1. Explain JSON.
 2. Explain Android telephony API in detail.
- Que. 5 (A) Give Answers of following Questions (03)
1. What does Navigator button do?
 2. What is XCode?
 3. What is Assistant Editor in XCode?
- Que. 5 (B) Attempt the following: (Any two) (06)
1. Explain MVC in detail.
 2. What is simulator? Explain it.
 3. Explain Storyboard.
 4. Write advantages and disadvantages of using Cocoa Touch.
- Que. 5 (C) Attempt the following: (Any one) (05)
1. Write steps to build simple application for iphone.
 2. Explain Cocoa touch in details.
