

**CERTIFICATE IN MOBILE
APPLICATION DEVELOPMENT
(CMAD)**

Term-End Examination

December, 2023

**BCS-091 : INTRODUCTION TO MOBILE
ARCHITECTURE**

Time : 3 Hours

Maximum Marks : 75

Note : *Question No. 1 is compulsory. Answer any
three questions from the rest.*

1. (a) Explain the difference between Mobile App and Web Applications in terms of user experience, location awareness, performance, access mechanism, inter-activeness etc. 10
- (b) Explain the steps involved in the lifecycle of Mobile App Deployment. 10
- (c) List and explain *four* important files required to run an app in Android. 10
2. (a) What is PhoneGap ? Discuss briefly the architecture of PhoneGap. 5
- (b) Explain the *five* features of the Android Studio. 5

- (c) Write a short note on any *one* development tool for iOS. 5
3. (a) What is ARM processor ? List out *five* features of ARM processor. Also, briefly explain how it is different from x86 processor. 10
- (b) Explain the *four* layers of abstraction in iOS. How is user interface of iOS different from other operating systems of phones ? 5
4. (a) What is flash memory ? Explain the differences between NOR and NAND flash memories. 10
- (b) Write short notes on the following : 5
- (i) Compass
- (ii) Proximity Sensor
5. (a) What is Google Play Store ? Is there any prerequisites for publishing Apps on to Google Play Store ? If yes, list prerequisites. 5
- (b) What is XAML ? Write the following : 10
- (i) main properties that can be represented in XAML
- (ii) types of resources that can be referenced
- (iii) components that are required when creating app using C# and XAML.