# CERTIFICATE IN MOBILE APPLICATION DEVELOPMENT (CMAD)

## Term-End Examination

## December, 2024

**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) What is the main consideration of mobile app development ? What are the main challenges in mobile app strategy ?          10

   (b) What is the difference between mobile application and web application ?          10

   (c) What is authentication ? What are the different authentication methods in mobile apps ? Briefly explain.          10

2. (a) Explain end-to-end steps used in mobile app deployment. 5

   (b) Explain the layers of mobile-view-controller architecture. 10

3. (a) Define ARM architecture. Explain how this architecture proved as a boon for windows phone. 10

   (b) What are the key functions of mobile device management ? 5

4. (a) What do you understand by mobile app testing ? Explain different mobile app testing strategies. 10

   (b) What are android interfaces and applications ? 5

5. (a) What are proximity sensors ? What are its applications ? 5

   (b) What are the existing commonly used mobile operating systems ? Explain any *two* operating systems. 10

× × × × × × ×