

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

Term-End Examination

December, 2025

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

Time : 3 Hours

Maximum Marks : 75

Note : (i) *Question No. 1 is compulsory.*

(ii) *Answer any **three** questions from the rest.*

1. (a) Explain the important considerations and challenges for Mobile App Development. 10
- (b) Explain layered design of Mobile OS. 8
- (c) Explain various approaches for cross platform Mobiles App development. 12

[2]

2. (a) Explain any *two* security related practices for securing mobile platform. 5
(b) Explain end-to-end steps involved in the lifecycle of a mobile app deployment. 10
3. (a) Explain the mercury management in Android OS. 10
(b) Explain the features of iOS that enable a visually impaired person to use mobile platform. 5
4. (a) What is XAMARIN ? Explain its features. 5
(b) Explain the design of X86 Processor. How is it different from ARM ? 10
5. (a) Briefly explain any *two* mobile processors. 5
(b) Explain any *two* development tools for Windows based mobiles. 10

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