BCS–093

CERTIFICATE IN MOBILE APPLICATION DEVELOPMENT (CMAD)

Term-End Examination

December, 2024

BCS–093 : THE INTRODUCTION TO ANDROID

Time : 3 Hours   *Maximum Marks : 75*

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

1. (a) Differentiate native, web and hybrid mobile apps by stating advantages, disadvantages and special features.   10

   (b) What are Android process states ? Explain states in brief.   10

   (c) What is the importance of XML-based layouts ? Explain linear layout in Android.

   10

2. (a) What are manifest files ? What does manifest file do ? 5

   (b) Write steps for creating a custom camera interface for an application. 10

3. (a) Describe the core security factures provided by Android OS. 5

   (b) Describe the situations of information language in mobile app. 10

4. (a) What do you understand by Data Security, App Security and Device Security ? 10

   (b) Briefly describe the steps you can take to optimize battery life. 5

5. (a) State the most common tools used in Android application development. 10

   (b) State the difference between Static and Dynamic testing. 5

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