

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

Term-End Examination

June, 2025

BCS-093 : INTRODUCTION TO ANDROID

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 native, web and hybrid mobile apps (in terms of advantages, disadvantages and special features). 10
- (b) Describe the use of Dalvik Virtual Machine and Android Runtime in Android operating system. 10

- (c) What are intents and intent filters ?
Explain briefly *three* use-cases of
intents and types of intents you can
create in Android application. 10
2. (a) Briefly describe one of the major cross
platform with the features and uses of
them. 8
- (b) Explain the activity stack with the help
of a suitable diagram. 7
3. (a) Explain Date and Time picker with its
methods. 5
- (b) Describe the significance of SQLite
database in Android. 5
- (c) Discuss briefly Developer console with
its purpose. 5
4. (a) Differentiate between Table layout and
Frame layout with the help of an
example of each. 8
- (b) Explain absolute and relative layouts. 7

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5. (a) Explain briefly how to save data to internal and external storage through Android application. 8
- (b) Briefly discuss how you publish Android application on play store. 7

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