

Roll No.....
Total No. of Questions: [09]

Total No. of Printed Pages: 1

BCA (Sem-4th)
ANDROID APPLICATION DEVELOPMENT
Subject Code: BCAP1418
Paper ID: [160118]

Time: 03 Hours

Maximum Marks: 60

Instruction for candidates:

1. Section A is compulsory. It consists of 10 parts of two marks each.
2. Section B consist of 5 questions of 5 marks each. The student has to attempt any 4 questions out of it.
3. Section C consist of 3 questions of 10 marks each. The student has to attempt any 2 questions.

Section – A

(2 marks each)

- Q1. Attempt the following:
- a) What is the use of Grid View?
 - b) List out Layout Manager in Android.
 - c) How do we identify the current user location?
 - d) Write the syntax of JSON.
 - e) What do you mean by Activity Life Cycle?
 - f) Write the syntax of query() method.
 - g) What is the role of Alarm Manager?
 - h) How APKs files can be made and published?
 - i) List any four properties of Date Picker.
 - j) Define Debugging.

Section – B

(5 marks each)

- Q2. Differentiate between Theme, Custom Styles and Drawables.
- Q3. Briefly explain the Android Application Framework and its basic components.
- Q4. Define intent. Explain how intents are created?
- Q5. What are the classes used to play Audio and Video in Android?
- Q6.** Explain how data can be stored using SQLite with example?

Section – C

(10 marks each)

- Q7. What is the purpose of Async Task? What are various scenarios where Async Task is used? Explain with an example?
- Q8. Explain the following:
- a. Check Box
 - b. Radio Button
 - c. Radio Group
 - d. Toggle Button
 - e. Progress Bar
- Q9. Write short notes on **any three**.
- a) Android Virtual Device
 - b) Support Libraries.
 - c) Google APIs Explorer.
 - d) User Input Controls
 - e) Triggering