

May 2023

BCA- VI SEMESTER

Mobile Application Development (BCA-17-306)

Time: 3 Hours

Max. Marks:75

- Instructions:**
1. It is compulsory to answer all the questions (1.5 marks each) of Part -A in short.
 2. Answer any four questions from Part -B in detail.
 3. Different sub-parts of a question are to be attempted adjacent to each other.
 4. Any other specific instructions

PART -A

- Q1 (a) What is DVM? (1.5)
- (b) Explain the difference between dip, dp, sip, sp versus px. (1.5)
- (c) Explain toast notification in android. (1.5)
- (d) Name different notifications available for developers in android. (1.5)
- (e) What is the purpose of uses-permission tag in manifest file? (1.5)
- (f) What is the purpose of Arrayadapters? (1.5)
- (g) What is the purpose of LogCat window? How to post message in that? (1.5)
- (h) What is runOnUiThread? (1.5)
- (i) What is Handler? (1.5)
- (j) What are the advantages of RelativeLayout? (1.5)

PART -B

- Q2 (a) Discuss in detail about Content Provider and its usage using example. (10)
- (b) How we can send data from one activity to another in android? Explain with example. (5)
- Q3 (a) What do you mean by shared preferences. Explain with example. (5)
- (b) Create a user registration form which stores data in SQLite database. (10)
- Q4 Write short notes on the following: (15)
- (a) AsyncTask
- (b) ListActivity
- (c) BaseAdapter
- Q5 (a) What is the difference between internal and external intent? (5)
- (b) Develop an alarm application that rings every Monday at 8 AM. (10)
- Q6 (a) What is the purpose of DDMS? Explain. (5)
- (b) Explain the android activity life cycle in detail. (5)
- (c) What is context menu? How we can create this in android? (5)

- Q7 (a) What is the purpose of AsyncTask? What are the various scenarios where (10) AsyncTask is used? Explain with example.
- (b) Explain the types of Broadcast receivers. How we can register for a broadcast (5) event? Give example also.
