

Roll No.

Total Pages : 3

311601

May 2024

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.*

PART-A

1. (a) What is the purpose of manifest file in android? (1.5)
- (b) What is implicit intent? (1.5)
- (c) What is DVM? (1.5)
- (d) What is the purpose of logcat window? (1.5)
- (e) Explain the difference between dip, dp, sip, sp versus px. (1.5)
- (f) What are the advantages of relative layout? (1.5)
- (g) What is a context in android? (1.5)

311601/310/111/311

242/P.T.O.

- (h) What is the purpose of function findviewbyld()? (1.5)
- (i) What is ListActivity? Give syntax also. (1.5)
- (j) What is the purpose of BaseAdapter? (1.5)

PART-B

- 2. (a) What is a android service? Create an android example for playing music in the background using android service. (10)
- (b) Explain android activity lifecycle in detail. (5)
- 3. (a) What is runOnUiThread? What are its advantages over normal thread? (5)
- (b) What is the purpose of Broadcast receiver? Explain with example. (10)
- 4. (a) Create a List Activity that is refreshed after every 2 minutes. (5)
- (b) How to create and add SQLite database in android. Explain with example. (10)
- 5. (a) What are the advantages of AsyncTask in android. (5)
- (b) Write short notes on
 - (i) ArrayAdapter.
 - (ii) BaseAdapter. (10)
- 6. (a) What do you mean by shared preferences? Explain with example. (10)
- (b) What is context menu? How we can create this in android? (5)

- 7. (a) How we can pass gps coordinates to emulator for location based applications. (5)
- (b) How we can send data from one activity to another in android? Explain with example. (5)
- (c) How communication between different intents is done? (5)