

DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE

Regular End Semester Examination – Summer 2022

Course: B. Tech. Branch : Electronics Engineering Semester : VI

Subject Code & Name: (BTEXOE605D) Android Programming

Max Marks: 60

Date: 26/08/2022

Duration: 3.45 Hr.

Instructions to the Students:

1. All the questions are compulsory.
2. The level of question/expected answer as per OBE or the Course Outcome (CO) on which the question is based is mentioned in () in front of the question.
3. Use of non-programmable scientific calculators is allowed.
4. Assume suitable data wherever necessary and mention it clearly.

(Level/CO) Marks

Q. 1 Solve Any Two of the following.

- A) Explain different features of Palm OS CO1 6
- B) What is android? What are different features of android? CO1 6
- C) Explain following sections of Android architecture CO1 6
- I. Linux Kernel
 - II. Libraries
 - III. Application framework

Q.2 Solve the following.

- A) With neat diagram explain about Android Activity Life Cycle. CO1 6
- B) Explain following types of Android Layout. CO1 6
- I. Frame layout
 - II. Absolute layout
 - III. Nested layout

Q. 3 Solve the following.

- A) Explain following attributes of Android Layout CO1 6
- I. android:layout_marginRight
 - II. android:layout_gravity
 - III. android:layout_weight
 - IV. android:layout_x
 - V. android:layout_y
 - VI. android:paddingLeft
- B) Explain following database operations supported by SQLite. CO1 6
- I. Database Creation
 - II. Database Insertion
 - III. Database Fetching

Q.4 Solve the following.

- A) Explain any three methods of `HttpURLConnection` class. **CO1 6**
- B) Explain any three methods of `SmsManager` class. **CO1 6**

Q. 5 Solve Any Two of the following.

- A) Explain any three methods of `Location` object. **CO1 6**
- B) Explain following Intents with suitable example. **CO1 6**
 - I. `ACTION_IMAGE_CAPTURE_SECURE`
 - II. `ACTION_VIDEO_CAPTURE`
 - III. `EXTRA_SCREEN_ORIENTATION`
- C) Explain following methods provided by `Bluetooth API`. **CO1 6**
 - I. `enable()`
 - II. `isEnabled()`
 - III. `disable()`

***** End *****