

# P P SAVANI UNIVERSITY

Third Semester of B. Tech. Examination  
December 2022

SEIT2041 Mobile Application Development

07.12.2022, Wednesday

Time: 10:00 a.m. To 12:30 p.m.

Maximum Marks: 60

## Instructions:

1. The question paper comprises of two sections.
2. Section I and II must be attempted in separate answer sheets.
3. Make suitable assumptions and draw neat figures wherever required.
4. Use of scientific calculator is allowed.

### SECTION - I

|           |   |      |    |     |
|-----------|---|------|----|-----|
| Q - 1     | Answer the following. (Any five)                          | [05] | CO | BTL |
| (i)       | The latest version of Android is _____                    |      | 1  | 1   |
| (ii)      | NFC stands for _____                                      |      | 1  | 1   |
| (iii)     | The version number of Oreo is _____                       |      | 1  | 1   |
| (iv)      | Nougat is the first android version. State true or false. |      | 1  | 1   |
| (v)       | OHA stands for _____                                      |      | 1  | 1   |
| (vi)      | SDK stands for _____                                      |      | 1  | 1   |
| Q - 2 (a) | Write a short note on DVM with the help of a diagram.     | [05] | 2  | 2   |
| Q - 2 (b) | Write a short note on android activity life cycle.        | [05] | 2  | 4   |

### OR

|           |   |      |   |   |
|-----------|---|------|---|---|
| Q - 2 (a) | Explain following android programming terminologies in brief:<br>Content Provider, Broadcast receiver, manifest file, XML file, fragment. | [05] | 1 | 2 |
| Q - 2 (b) | Differentiate between simulator and emulator.   | [05] | 1 | 4 |
| Q - 3 (a) | Write a short note on AutoCompleteTextView and TextView with code snippets.   | [05] | 3 | 3 |
| Q - 3 (b) | Write a note on android architecture.   | [05] | 2 | 2 |

### OR

|           |   |      |   |   |
|-----------|---|------|---|---|
| Q - 3 (a) | Differentiate between radio button and radio group with an example. | [05] | 3 | 3 |
| Q - 3 (b) | What do you mean by progressbar and seekbar?                        | [05] | 3 | 3 |
| Q - 4     | Attempt any one.  | [05] |   |   |
| (i)       | Write a short note on TableLayout and FrameLayout.                  |      | 3 | 3 |
| (ii)      | Explain Intent and Toast with code snippets.                        |      | 4 | 5 |

### SECTION - II

|       |  |      |   |   |
|-------|--|------|---|---|
| Q - 1 | Answer the following. (Any Five)   | [05] |   |   |
| (i)   | Which class is used to send SMS programmatically?<br>a) SmsSender.<br>b) SmsManager.<br>c) SMS.<br>d) None of the above. |      | 1 | 1 |
| (ii)  | The prime purpose of a _____ is to serve as a central repository of data where users can store and can fetch the data.   |      | 1 | 1 |
| (iii) | We can play and control the audio files in android by the help of _____ class.   |      | 1 | 1 |
| (iv)  | APK stands for -<br>a) Android Phone Kit<br>b) Android Page Kit<br>c) Android Package Kit<br>d) None of the above        |      | 1 | 1 |
| (v)   | Accessing Shared Preferences, like editing and saving them, is done using the _____ method.                              |      | 1 | 1 |

|           |  |      |   |   |
|-----------|--|------|---|---|
| (vi)      | In Android, _____ is a method of storing and fetching primitive data with the help of a key. |      | 1 | 1 |
| (vii)     | What is Web view in android?   |      | 1 | 2 |
|           | a) displays content from the web directly inside an application                              |      |   |   |
|           | b) displays specific content only  |      |   |   |
|           | c) Helps to browse content online.   |      |   |   |
|           | d) None of the above   |      |   |   |
| Q - 2 (a) | Explain Content Providers in android.  | [05] | 2 | 2 |
| Q - 2 (b) | How do you make an HTTP connection to connect to internet in android?                        | [05] | 2 | 5 |
| <b>OR</b> |  |      |   |   |
| Q - 2 (a) | How to Create and Update Database Records in android?  | [05] | 4 | 5 |
| Q - 2 (b) | What is Android Web view?  | [05] | 3 | 4 |
| Q - 3 (a) | Explain creating Private and Shared Preferences with example.                                | [05] | 2 | 4 |
| Q - 3 (b) | Explain Adding, Updating, and Deleting Preferences with example.                             | [05] | 4 | 6 |
| <b>OR</b> |  |      |   |   |
| Q - 3 (a) | What is Status Bar Notification?   | [05] | 2 | 5 |
| Q - 3 (b) | Explain in detail working with multimedia in android.  | [05] | 2 | 6 |
| Q - 4     | Attempt any one.   | [05] |   |   |
| (i)       | Create an application to make Insert and Delete operation on the database.                   |      | 4 | 6 |
| (ii)      | Create an application UI component DatePicker and TimePicker.                                |      | 4 | 6 |

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CO : Course Outcome Number

BTL : Blooms Taxonomy Level

Level of Bloom's Revised Taxonomy in Assessment

|             |               |           |
|-------------|---------------|-----------|
| 1: Remember | 2: Understand | 3: Apply  |
| 4: Analyze  | 5: Evaluate   | 6: Create |