**18CSD21**

**Hall Ticket Number:**

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| **III/IV B.Tech (Regular/Supplementary) DEGREE EXAMINATION** | | | |
| **June, 2022** | **Computer Science and Engineering** | | |
| **Sixth Semester** | **Mobile Application Development** | | |
| **Time:** Three Hours | | **Maximum:** 50 Marks | |
| *Answer Question No.1 compulsorily.* | | | (1X10 = 10 Marks) |
| *Answer any one question from each unit.* | | | (4X10=40 Marks) |

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| 1. | Answer all questions | | (1X10=10 Marks) | |
|  | a) | Define Android Virtual Devices (AVD). | |  |
|  | b) | What is a Foreground and Background applications? | |  |
|  | c) | What are the types of animations supported by android? | |  |
|  | d) | Define Fragment? | |  |
|  | e) | List all attributes to develop a simple button. | |  |
|  | f) | Write the syntax for Intent-Filter tag. | |  |
|  | g) | Name the relational database used by android. | |  |
|  | h) | Write about SQLite? | |  |
|  | i) | What do you mean about Service? | |  |
|  | j) | Define Toast. | |  |
| **UNIT I** | | | | |
| 2. | a) | Differentiate between JVM and DVM. | | 5M |
|  | b) | What are the features of Android? | | 5M |
| **(OR)** | | | | |
| 3. | a) | Explain about a simple program to display "Hello World" | | 5M |
|  | b) | Explain briefly about an Android Runtime? | | 5M |
| **UNIT II** | | | | |
| 4. | a) | Explain about the basic building blocks of android. | | 5M |
|  | b) | Explain the different types of layouts. | | 5M |
| **(OR)** | | | | |
| 5. | a) | How to manage changes to screen orientation? Explain with an example. | | 5M |
|  | b) | Explain steps for Creating the User Interface Programmatically. | | 5M |
| **UNIT III** | | | | |
| 6. | a) | What is an Intent? Explain about Implicit intents. | | 5M |
|  | b) | Discuss about Explicit intent with example application. | | 5M |
| **(OR)** | | | | |
| 7. | a) | How intents are used to Broadcast Events? Briefly explain. | | 5M |
|  | b) | How to save and load shared preferences? Explain List Preference, Checkbox Preference,  EditText Preference. | | 5M |
| **UNIT IV** | | | | |
| 8. |  | Explain about SQLite database with example application. | | 10M |
| **(OR)** | | | | |
| 9. | a) | Explain about content providers. | | 5M |
|  | b) | How to create Action bar in android? | | 5M |

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