**18CSD21**

**Hall Ticket Number:**

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| **III/IV B.Tech (Regular) DEGREE EXAMINATION** | | | |
| **August, 2021** | **Computer Science and Engineering** | | |
| **Sixth Semester** | **Mobile Application Development** | | |
| **Time:** Three Hours | | **Maximum: 5**0 Marks | |
| *Answer Question No. 1 Compulsorily.* | | | (10X1 = 10 Marks) |
| *Answer* ***ANY ONE*** *question from each Unit.* | | | (4X10=40 Marks) |

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| 1. | a) | List any two limitation of mobile devices and advantages of Android OS? | CO1 | |  |
|  | b) | Define AVD? | CO1 | |  |
|  | c) | Define Activity? | CO2 | |  |
|  | d) | List the attributes to increase width and height of a TextView. | CO2 | |  |
|  | e) | Write a short note on Intents? | CO2 | |  |
|  | f) | Define Broadcast Receiver. | CO1 | |  |
|  | g) | Define content Provides? | CO3 | |  |
|  | h) | Define URI | CO3 | |  |
|  | i) | Define services? | CO4 | |  |
|  | j) | Write a short notes on SQLite batabase | CO4 | |  |
| **Unit - I** | | | | | |
| 2. | a) | Explain Android Stack? | CO1 | **5M** | |
|  | b) | Differentiate between native and hybrid applications | CO1 | **5M** | |
|  |  | **(OR)** |  |  | |
| 3. | a) | Explain about a simple program to display "Hello World" | CO1 | **5M** | |
|  | b) | Explain how to run the HelloWorld Program using Emulator | CO1 | **5M** | |
| **Unit - II** | | | | | |
| 4. | a) | Write an Android Program to demonstrate Table and Relative Layout | CO2 | **5M** | |
|  | b) | Explain about the basic building blocks of android | CO2 | **5M** | |
|  |  | **(OR)** |  |  | |
| 5. | a) | Write an Android Program to demonstrate Activity Life Cycle | CO2 | **5M** | |
|  | b) | Explain different XML Codes – main.xml, strings.xml, menu.xml | CO2 | **5M** | |
| **Unit - III** | | | | | |
| 6. | a) | Write an Android Program to demonstrate Intents | CO3 | **5M** | |
|  | b) | How to download and parse the Internet resource? Briefly explain | CO3 | **5M** | |
|  |  | **(OR)** |  |  | |
| 7. | a) | How intents are used to Broadcast Events? Briefly explain | CO3 | **5M** | |
|  | b) | Write a shot notes on Shared Preferences | CO3 | **5M** | |
| **Unit - IV** | | | | | |
| 8. | a) | Briefly explain working of SQLite with an example | CO4 | **5M** | |
|  | b) | Explain Database Classes | CO4 | **5M** | |
|  |  | **(OR)** |  |  | |
| 9. | a) | Describe about Content Provider | CO4 | **5M** | |
|  | b) | Write an android program to demonstrate Menus | CO4 | **5M** | |

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