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**DEPARTMENT OF INFORMATION TECHNOLOGY**

**B. TECH-III -SEM-I MIDEXAMINATIONS-II**

**Subject: DEVOPS**

**Time: 01:30 PM to03:30 PM Branch: IT Marks: 30M**

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Note: Question paper contains two parts, Part-A and Part- B.

Part-A is compulsory which carries 10 marks. Answer all questions in part-A.

Answer any four questions in part-B. Each question carries 5 marks.

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| **PART-A** | **5 x 2 M = 10 M** | |
| 1. What is Shared authentication? | **BTL**  1 | **CO**  3 |
| 2. Explain about Jenkins plugins. | 2 | 4 |
| 3. List Alternative build servers. | 1 | 4 |
| 4. Define Chef? | 1 | 5 |
| 5. What is unit testing? | 1 | 5 |

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| **PART-B** | **4 x 5 M = 20 M** | | |
| 6. Explain about Gerrit. | | **BTL**  2 | **CO**  3 |
| 7. Explain about Docker Intermission. | | 2 | 3 |
| 8. Explain about Jenkins Build server and Build Phases. | | 2 | 4 |
| 9. Explain about the Build Slaves and Building by dependency order. | | 2 | 4 |
| 10. Discuss Various types of Testing. | | 2 | 5 |
| 11. Explain about REPL-Driven development. | | 2 | 5 |

**MID II SCHEME OF EVALUATION**

**PART-A**

| **SNO** | **THEORY** | **MARKS** | **TOTAL** |
| --- | --- | --- | --- |
| **1** | Shared authentication | **2** | **2** |
| **2** | Jenkins plugins | **2** | **2** |
| **3** | Alternative build servers | **2** | **2** |
| **4** | Chef | **2** | **2** |
| **5** | Unit testing | **2** | **2** |

**PART-B**

| **SNO** | **THEORY** | **MARKS** | **TOTAL** |
| --- | --- | --- | --- |
| **6** | Gerrit | **5** | **5** |
| **7** | Docker Intermission | **5** | **5** |
| **8** | Jenkins Build server  Build Phases | **2.5**  **2.5** | **5** |
| **9** | Build Slaves  Building by dependency order | **2.5**  **2.5** | **5** |
| **10** | Various types of Testing | **5** | **5** |
| **11** | REPL-Driven development | **5** | **5** |