**MID EXAM QUESTION PAPERS**

**Date:**

**29-01-2021.**



**DEPARTMENT OF INFORMATION TECHNOLOGY**

**B. TECH-III -SEM-I MID EXAMINATIONS-I**

**Subject: DEVOPS**

**Time: 01:30 PM to 03:30 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 a Bottleneck? | **BTL**  1 | **CO**  1 |
| 2. What are the principles of Kanban? | 2 | 1 |
| 3. What are the tools for Micro services? | 1 | 2 |
| 4. What is a Database Migration? | 1 | 2 |
| 5. Write the history of source code management in Devops? | 2 | 3 |

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| **PART-B** | **4 x 5 M = 20 M** | | |
| 6. Explain the major Principles of Agile Software Development. | | **BTL**  2 | **CO**  1 |
| 7. Explain about [Scrum methodology](https://learning.oreilly.com/library/view/practical-devops/9781788392570/f193372c-efee-4ca1-a6f1-7d1e246afdb2.xhtml?_gl=1%2A1wxk5gu%2A_ga%2AMTQ2NjQ0MjQ4OS4xNjc1ODUwMzYy%2A_ga_092EL089CH%2AMTY3NTg1MDM2Mi4xLjEuMTY3NTg1MTM2MS42MC4wLjA) in detail. | | 2 | 1 |
| 8. Explain about the Monolithic Scenario in Devops. | | 2 | 2 |
| 9. Describe Devops, architecture and resilience in detail. | | 3 | 2 |
| 10. Explain about different Git server implementations. | | 2 | 3 |
| 11. Explain the source code management system migrations. | | 2 | 3 |

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**MID I SCHEME OF EVALUATION**

**PART-A**

| **SNO** | **THEORY** | **MARKS** | **TOTAL** |
| --- | --- | --- | --- |
| **1** | Bottleneck | **2** | **2** |
| **2** | Principles of Kanban | **2** | **2** |
| **3** | Tools for Micro services | **2** | **2** |
| **4** | Database Migration | **2** | **2** |
| **5** | Source code management | **2** | **2** |

**PART-B**

| **SNO** | **THEORY** | **MARKS** | **TOTAL** |
| --- | --- | --- | --- |
| **6** | Principles of Agile Software Development | **5** | **5** |
| **7** | [Scrum methodology](https://learning.oreilly.com/library/view/practical-devops/9781788392570/f193372c-efee-4ca1-a6f1-7d1e246afdb2.xhtml?_gl=1%2A1wxk5gu%2A_ga%2AMTQ2NjQ0MjQ4OS4xNjc1ODUwMzYy%2A_ga_092EL089CH%2AMTY3NTg1MDM2Mi4xLjEuMTY3NTg1MTM2MS42MC4wLjA) | **5** | **5** |
| **8** | Monolithic Scenario | **5** | **5** |
| **9** | Devops architecture  Resilience | **2.5**  **2.5** | **5** |
| **10** | Different Git server implementations | **5** | **5** |
| **11** | Source code management system migrations | **5** | **5** |