



IV B.Tech I Sem Regular End Examination, Nov/Dec 2022

Cloud Computing (PE-IV)

(CSE/IT)

Time: 3 Hours.**Max. Marks: 70**

Note: 1. Question paper consists: Part-A and Part-B.

2. In Part – A, answer all questions which carries 20 marks.

3. In Part – B, answer any one question from each unit.

Each question carries 10 marks and may have a, b as sub questions.

PART- A**(10*2 Marks = 20 Marks)**

- | | | | | |
|-------|---|----|-----|-----|
| 1. a) | Define Distributed Computing. | 2M | C01 | BL1 |
| b) | What do you mean by Grid computing? | 2M | C01 | BL1 |
| c) | Define Cloud Computing. | 2M | C02 | BL1 |
| d) | What do you mean by Rapid Elasticity? | 2M | C02 | BL1 |
| e) | What is Server Consolidation? | 2M | C03 | BL1 |
| f) | Define Cloud Anatomy. | 2M | C03 | BL1 |
| g) | Define SECaaS | 2M | C04 | BL1 |
| h) | What are the services of NetSuite | 2M | C04 | BL1 |
| i) | What do you mean by Cloud Service Provider? | 2M | C05 | BL1 |
| j) | Write any two advantages of Google Cloud Print. | 2M | C05 | BL1 |

PART- B**(10*5 Marks = 50 Marks)**

- | | | | | |
|-------|--|----|-----|-----|
| 2. a) | Write in detailed note on High-Performance Computing. | 5M | C01 | BL1 |
| b) | Compare and contrast Grid Computing with Electric Power Grid | 5M | C01 | BL2 |

OR

- | | | | | |
|-------|--|----|-----|-----|
| 3. a) | Will Mobile Computing play a dominant role in the future? Discuss in detail. | 5M | C01 | BL2 |
| b) | Write a note on Optical computing and Quantum computing. | 5M | C01 | BL1 |
| 4. a) | List and explain the benefits and drawbacks in Cloud Computing | 5M | C02 | BL4 |
| b) | Describe a real-life example to illustrate the concepts of Cloud Computing | 5M | C02 | BL2 |

OR

- | | | | | |
|----|--|-----|-----|-----|
| 5. | Describe in detail the service offering models of the Cloud Computing. | 10M | C02 | BL2 |
|----|--|-----|-----|-----|

- | | | | | |
|-----------|--|-----|-----|-----|
| 6 | Draw and explain the various layers of Cloud Architecture | 10M | C03 | BL4 |
| OR | | | | |
| 7 | Describe in detail network connectivity in Cloud Computing | 10M | C03 | BL2 |
| 8 | a) List the unique characteristics of Infrastructure as a Service | 5M | C04 | BL1 |
| | b) Outline the advantages and disadvantages of Platform as a Service | 5M | C04 | BL2 |
| OR | | | | |
| 9 | a) Discuss the major problems with SaaS services | 5M | C04 | BL2 |
| | b) Give in detailed note on NaaS and DaaS | 5M | C04 | BL1 |
| 10 | a) Write about the support services provided by Amazon Web Services | 5M | C05 | BL1 |
| | b) Discuss about SAP HANA Cloud in detail. | 5M | C05 | BL2 |
| OR | | | | |
| 11 | a) Outline the key features supported by Aneka platform | 5M | C05 | BL2 |
| | b) Write a in detailed note on VMware player | 5M | C05 | BL1 |

---0000---

CO-Course Outcome

BL - Blooms Taxonomy Levels