

[M19CST1104]

**I M. Tech I Semester (R19) Regular Examinations**  
**CLD COMPUTING**  
**(Computer Science and Technology)**  
**MODEL QUESTION PAPER**

**TIME: 3 Hrs.**

**Max. Marks: 75 M**

Answer **ONE Question** from **EACH UNIT**

All questions carry equal marks

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|    |     |                                                                                       | CO  | KL | M |
|----|-----|---------------------------------------------------------------------------------------|-----|----|---|
|    |     | <b>UNIT - I</b>                                                                       |     |    |   |
| 1. | a). | Define Distributed Computing, Grid Computing and give an example                      | CO1 | K1 | 6 |
|    | b). | Mention the technologies for Memory, Storage and Wide area networking                 | CO1 | K2 | 9 |
|    |     | <b>OR</b>                                                                             |     |    |   |
| 2. | a). | Explain Peer-to-Peer Network families                                                 | CO1 | K2 | 8 |
|    | b). | Write short note on Service-Oriented Architecture                                     | CO1 | K2 | 7 |
|    |     | <b>UNIT - II</b>                                                                      |     |    |   |
| 3. | a). | Define Cld Computing and mention the properties and characteristics of cld computing? | CO1 | K1 | 8 |
|    | b). | Explain cld deployment models giving an example for each.                             | CO1 | K2 | 7 |
|    |     | <b>OR</b>                                                                             |     |    |   |
| 4. | a). | Define Virtualization and explain the different types of virtualization?              | CO1 | K1 | 6 |
|    | b). | Write a short note on cld resrces.                                                    | CO1 | K2 | 9 |
|    |     | <b>UNIT - III</b>                                                                     |     |    |   |
| 5. | a). | Explain cld computing service models?                                                 | CO2 | K2 | 6 |
|    | b). | Explain Resrce Virtualization.                                                        | CO2 | K2 | 9 |
|    |     | <b>OR</b>                                                                             |     |    |   |
| 6. | a). | Explain PaaS with a case study.                                                       |     |    | 9 |
|    | b). | Write a short note on web services?                                                   | CO2 | K2 | 6 |
|    |     |                                                                                       | CO2 | K2 |   |
|    |     | <b>UNIT - IV</b>                                                                      |     |    |   |
| 7. | a). | Write short note on Hadoop from Apache.                                               | CO3 | K2 | 7 |
|    | b). | Explain Microsoft Azure programming support                                           | CO3 | K2 | 8 |
|    |     | <b>OR</b>                                                                             |     |    |   |
| 8. | a). | Write short note on Programming support of Google APP engine                          | CO3 | K2 | 7 |

|                 |     |                                                                             |     |    |   |
|-----------------|-----|-----------------------------------------------------------------------------|-----|----|---|
|                 | b). | Write short note on Open Sorce Eucalyptus, Nimbus, OpenNebula and OpenStack | CO3 | K2 | 8 |
| <b>UNIT - V</b> |     |                                                                             |     |    |   |
| 9.              | a). | Write short note on cld provenance and metadata.                            | CO4 | K2 | 7 |
|                 | b). | Explain cld reliability and fault tolerance                                 | CO4 | K2 | 8 |
| <b>OR</b>       |     |                                                                             |     |    |   |
| 10.             | a). | Explain the key privacy concerns in cld computing?                          | CO4 | K2 | 6 |
|                 | b). | Write a short note on cld federation, interoperability and standards        | CO4 | K2 | 9 |

**CO:** Course Outcome

**KL:** Knowledge Level

**M:** Marks

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