## UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
### End Semester Examination, May 2021

**Course: Cloud Application Development**　　　　　　　　**Semester:  VI**
**Program: B.Tech CSE -CCVT**　　　　　　　　　　　　　**Time 03 hrs.**
**Course Code:　CSVT3006**　　　　　　　　　　　　　　**Max. Marks: 100**

**Instructions:**

### SECTION A

| S. No. | | Marks | CO |
|---|---|---|---|
| Q 1 | What is the innovative characteristic of cloud computing? | 05 | CO1 |
| Q 2 | Briefly summarize the Cloud Computing Reference Model. | 05 | CO1 |
| Q 3 | What is the Aneka container and what is its use? | 05 | CO2 |
| Q 4 | List the programming models supported by Aneka. | 05 | CO2 |
| Q 5 | What is throughput computing and what does it aim to achieve? | 05 | CO3 |
| Q 6 | Describe the major differences between Aneka threads and local threads | 05 | CO3 |

### SECTION B

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|---|---|---|---|
| Q 1 | How is cloud development different from traditional software development? List some challenges till open in cloud computing. | 10 | CO1 |
| Q 2 | Describe the features of the Aneka management tools in terms of infrastructure, platform, and applications. | 10 | CO2 |
| Q 3 | What is multiprocessing? Describe the different techniques for implementing multiprocessing. | 10 | CO3 |
| Q 4 | What is a task? How does task computing relate to distributed computing? | 10 | CO4 |
| Q 5 | How does Aneka support task computing? Differentiate between IT task and Aneka Task. | 10 | CO4 |

| SECTION-C | | | |
|---|---|---|---|
| Q 1 | What fundamental advantages does cloud technology bring to scientific applications? How cloud computing technology can be applied to support remote ECG monitoring.<br><br>OR<br>What is the most important advantage of cloud technologies for social networking applications? Provide some examples of media applications that use cloud technologies. | **20** | **CO5** |