Total No. of Questions – [03]                    Total No. of Printed Pages: 01

| G.R. No. | |
|---|---|

PAPER CODE U482-253D(ESE)

## MAY 2022 (ENDSEM) EXAM
## FINAL YEAR B.TECH (COMP/IT/E&TC/MECH) (SEMESTER - II)
## COURSE NAME: OPEN ELECTIVE-II (CLOUD COMPUTING)
## COURSE CODE: IOEUA40183D
## (PATTERN 2018)

Time: [1Hr]                                          [Max. Marks: 30]

## Instructions to candidates:
1) Answer Q.1 OR Q.2, Q.3 OR Q.4, Q.5 OR Q.6.
2) Figures to the right indicate full marks.
3) Use of scientific calculator is allowed
4) Use suitable data where ever required

| Question No. | Question Description | Marks |
|---|---|---|
| Q.1 | a) Elaborate on different services offered by Amazon | [4] |
| | b) Discuss the durability of S3-Galcier | [6] |
| | **OR** | |
| Q.2 | a) List Various features of Amazon Elastic Compute Cloud (EC2). | [4] |
| | b) Identify the benefits of the Elastic Load balancer | [6] |
| Q.3 | a) Justify the benefits of GPS over the sensor networks. | [4] |
| | b) Elaborate Large Scale Private Clouds on NASA and CERN. | [6] |
| | **OR** | |
| Q.4 | a) Discuss the Performance Metrics for HPC/HTC systems. | [4] |
| | b) Determine the use of ubiquitous computing in supply chain management. | [6] |
| Q.5 | a) List down the steps to create a Docker file | [4] |
| | b) Illustrate Client-Server Architecture of Docker | [6] |
| | **OR** | |
| Q.6 | a) Elaborate the working of Kubernetes. | [4] |
| | b) Compare containers Vs. VMs. What happens if both are being used together to deploy applications? | [6] |