12425

3 Hours / 70 Marks   Seat No.

Instructions : (1) All Questions are *compulsory.*

(2) Answer each next main Question on a new page.

(3) Illustrate your answers with neat sketches wherever necessary.

(4) Figures to the right indicate full marks.

(5) Assume suitable data, if necessary.

(6) Mobile Phone, Pager and any other Electronic Communication devices are not permissible in Examination Hall.

Marks

1. Attempt any FIVE of the following :   **10**

(a) State any two benefits of cloud computing.

(b) Define virtual Data Centre.

(c) State two functions of cloud portal.

(d) Enlist any two characteristics of cloud computing.

(e) State any two benefits of virtual storage area network.

(f) Draw life cycle of SLA.

(g) Enlist any two cloud platforms.

2. Attempt any THREE of the following :   **12**

(a) Define virtualization. List types of virtualization.

(b) Differentiate between block and file level storage virtualization.

(c) Explain any two types of SLA.

(d) Explain content level security.

3. **Attempt any THREE of the following :** 12

   (a) Differentiate between Public cloud and Private cloud.

   (b) Differentiate between GFS and HDFS.

   (c) Describe federated cloud computing.

   (d) Describe the working of Google App Engine.

4. **Attempt any THREE of the following :** 12

   (a) Explain any two advantages of virtualization.

   (b) Define :

      (i) Cloud security

      (ii) Digital Identity

   (c) List any four innovative applications of cloud with Internet of Things.

   (d) Write disadvantages of virtualization.

   (e) Differentiate between Home Based Cloud Computing and Energy Aware Cloud Computing.

5. **Attempt any TWO of the following :** 12

   (a) Explain architecture of VDC with diagram.

   (b) Explain cloud service life cycle phases.

   (c) Explain cloud risk in detail.

6. **Attempt any TWO of the following :** 12

   (a) Explain storage system architecture with diagram.

   (b) Explain cloud resource management.

   (c) Explain any Home Based application in which Internet of Things is used.

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