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22624

21222

3 Hours / 70 Marks

Seat No.

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15 minutes extra for each hour

- 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 :**

**10**

- (a) Enlist cloud deployment models.
- (b) List characteristics of virtualized environment.
- (c) State the use of Ab-initio resources optimization.
- (d) Name any two enabling Technologies with the Internet of Things.
- (e) Differentiate between Iaas and Paas.
- (f) List benefits of VSAN.
- (g) List different types of SLA.

**2. Attempt any THREE :**

**12**

- (a) Describe steps to build virtual machine using VMWare.
- (b) Difference between Google File System (GFS) and Hadoop Distributed File System (HDFS).
- (c) Explain different phases of cloud services life cycle.
- (d) Describe content level security.

- 3. Attempt any THREE :** **12**
- (a) Describe cloud computing architecture.
  - (b) Explain storage system architecture in detail.
  - (c) Explain how Periodic Resource Optimization can be used for Cloud Resource Management.
  - (d) Explain home based cloud computing.
- 4. Attempt any THREE :** **12**
- (a) Explain process of virtual Machine Migration is achieved.
  - (b) Explain Access Management in details.
  - (c) Name any four cloud computing platforms.
  - (d) Explain different types of virtualization.
  - (e) Describe Google App Engine. Explain what kind of problem can be solved using Google App Engine.
- 5. Attempt any TWO :** **12**
- (a) Explain how to implement storage services on cloud.
  - (b) Describe phases of cloud service life cycle are required to provide cloud service in a private organisation.
  - (c) Explain how Identity management can be implement using open stack.
- 6. Attempt any TWO :** **12**
- (a) Explain how File Management is achieved in cloud.
  - (b) Explain the procedure to Host Simple Web Application.
  - (c) Explain how cloud can be used to implement IOT Technologies. Explain any one in detail.
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