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EXAMINATION : DECEMBER - 2022
SEMESTER - VI

Sub: Cloud Computing (BCA – 640-18) / Cloud Technology (BCA-646)

Date : 14/12 /2022   **Total Marks : 60**   **Time: 2.00 pm To 4.30 pm**

Instructions:
1. *All questions are compulsory unless and otherwise stated.*
2. *Bold figures to the right of every question are the maximum marks for that question.*
3. *Candidates are advised to attempt questions in order.*
4. *Answers written illegibly are likely to be marked zero.*
5. *Use of scientific calculators, Log tables, Mollier Charts is allowed.*
6. *Draw neat and labelled diagrams wherever necessary.*

Q.1. **Fill in the blanks.** **(05)**

1. _____ computing refers to applications and services that run on a distributed network using virtualized resources.
   a) Distributed   b) Cloud
   c) Soft   d) Parallel

2. Communication between services is largely done using the _____.
   a) REST   b) RESTful
   c) SOAP   d) All of the above

3. _____ refers to the location and management of the cloud infrastructure.
   a) Service   b) Application
   c) Deployment   d) All of the above

4. _____ has many features of what is now called Cloud Computing.
   a) Internet   b) Software
   c) Web service   d) All of the above

5. _____ is full form of IaaS.
   a) Storage As A service   b) Platform-as-a-service
   c) Infrastructure As a Service   d) Information As a Service

Q.2. **State True/False.** **(05)**

1. Cloud can be termed as Network or Internet.

2. NAS is Network Attached Storage.

3. Cloud computing networks are designed to support only private or hybrid clouds.

4. Network automation is unnecessary in cloud networks.

5. Virtualization switch standards are still emerging for virtual switches, making implementation decisions even more difficult.

Q.3. **Answer the following. (Solve any 5)** (10)

1. What is pay per use model?

2. Define Cloud Computing

3. Define scalable cloud.

4. Define DBaaS.

5. What are the advantages of PaaS.

6. What are Hypervisors?

Q. 4. **Answer the following in detail. (Solve any 6)** (30)

1. Explain essential characteristic of cloud technology.

2. Explain NAS architecture.

3. Describe data backup and recovery in cloud computing.

4. What is virtualization and what are its benefits?

5. Explain the impact of cloud computing in health sector.

6. Explain SOA with diagram.

7. Explain XaaS in detail.

Q. 5. **Answer the following in detail. (Solve any 1)** (10)

1. Describe deployment models of cloud computing with diagram.

2. Briefly describe the challenges in cloud technology.

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