PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

MCA DEGREE EXAMINATION MAY 2022
(Second Semester)

Branch – COMPUTER APPLICATIONS

DISCIPLINE SPECIFIC ELECTIVE – I : CLOUD ARCHITECTURE AND SERVICES

Time: Three Hours   Maximum: 50 Marks

SECTION-A (5 Marks)
Answer ALL questions
ALL questions carry EQUAL marks   (5 x 1 = 5)

1. _____ an infrastructure that contains links between a user's cloud and a third-party cloud .
   a. Private cloud   b. Public Cloud
   c. Hybrid Cloud   d. Super Cloud

2. Type 1 Hypervisor is also called _____
   a. bare metal   b. hosted hypervisors
   c. physical machine   d. virtual guest machines

3. How many ____ common cloud conveyance models turned out to be comprehensivelyperceived and honourable
   a. 3   b. 4
   c. 2   d. 5

4. The _____ is used by EC2 to communication and run server samples for running working frameworks like: Linux (Red-Hat), Windows, and so onvarious servers.
   a. AMI   b. Google App Engine
   c. Microsoft Azure   d. None of the above

5. _____ are system-level messages exchanged between hypervisors, hypervisors and virtual servers, and hypervisors and VIMs.
   a. Heartbeats   b. Intelligent Automation Engine
   c. Storage Service Gateway   d. LUN

SECTION - B (15 Marks)
Answer ALL Questions
ALL Questions Carry EQUAL Marks   (5 x 3 = 15)

6 a   Discuss about the cloud computing reference model.
                    OR
   b   Illustrate how Cloud Computing Services overlap SOA.

7 a   Discuss about the three main components of machine reference model of execution virtualization.
                    OR
   b   Differentiate the Advantages and disadvantages of virtualization.

8 a   Discuss the attributes of the three primary classifications used to classify cloud ascertaining arrangements.
                    OR
   b   Write short notes on Financial matters of the cloud.

9 a   Write short notes on Amazon Elastic Compute Cloud.
                    OR
   b   Discuss about the Elements of Microsoft Azure.

10 a   Explain about the characterization of federated clouds.
         OR
    b   Explain the cloud data management Interface.

SECTION -C (30 Marks)
Answer **ALL** questions
ALL questions carry **EQUAL** Marks   (5 x 6 = 30)

11 a   Illustrate the characteristics and benefits of cloud computing.
         OR
   b   Explain the Building cloud computing environment in detail.

12 a   Explain about the taxonomy of virtualization techniques.
         OR
   b   Describe about the Paravirtualization.

13 a   Explain about the Cloud conveyance model.
         OR
   b   Categories the Cloud Deployment Models in details.

14 a   Explain the Architecture and core concepts of Google AppEngine.
         OR
   b   Explain the windows Azure platform appliance.

15 a   Explain about the green computing architecture in detail.
         OR
   b   What is third party cloud services and discuss about the MetaCDN and
        SpotCloud?

                    Z-Z-Z   END