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Paper Code : PEROB801C Cloud Computing

UPID : 008393

Time Allotted : 3 Hours

Full Marks : 70

The Figures in the margin indicate full marks.

Candidate are required to give their answers in their own words as far as practicable

Group-A (Very Short Answer Type Question)

1. Answer *any ten* of the following :

[1 x 10 = 10]

- (I) How many types of dimensions exists in Cloud Cube Model?
- (II) Which service is provided by Google for online storage?
- (III) _____ as a Service is a hosted application that is the cloud equivalent of a traditional desktop application.
- (IV) Which software can be used to implement load balancing?
- (V) _____ serves as a PaaS vendor within Google App Engine system.
- (VI) Google _____ is the most widely used Web traffic analysis tool on the Internet.
- (VII) Browser based hosted mail is the prototypical _____ as a Service application.
- (VIII) Pods are aggregated into pools within an IaaS region or site called an _____ zone.
- (IX) An operating system running on a Type _____ VM is full virtualization.
- (X) Which SaaS platform is with an exposed API?
- (XI) Developing and deploying web-based software in data centers is managed by which Google cloud platform service?
- (XII) Which model consists of the particular types of services that you can access on a cloud computing platform.

Group-B (Short Answer Type Question)

Answer *any three* of the following :

[5 x 3 = 15]

- 2. Write the Features of OpenStack. [5]
- 3. Write the Advantages and disadvantages of Cloud Storage. [5]
- 4. Write the Difference between the Deep Web and Dark Web [5]
- 5. Define Server Virtualization. What is known as Network Virtualization? [5]
- 6. List out the Advantages and Disadvantages of Cloud Computing. [5]

Group-C (Long Answer Type Question)

Answer *any three* of the following :

[15 x 3 = 45]

- 7. (a) What is Service-Oriented Architecture (SOA)? [3]
- (b) Write The different characteristics and major roles of SOA. [6]
- (c) Write the Guiding Principles of SOA. [3]
- (d) Write the Practical applications of SOA. [3]
- 8. (a) Define Cloud Computing and explain its core characteristics. [7]
- (b) Explain cloud cube model. [8]
- 9. (a) What is Virtualization? [4]
- (b) Write the Work of Virtualization in Cloud Computing . [5]
- (c) write the Benefits and draw back of Virtualization. [6]
- 10. (a) Describe Google App Engine (GAE)? . [6]
- (b) Write the Features of App Engine. [5]
- (c) Write the Advantages of Google App Engine. [4]

11. (a) Why Load Balancing is Required in Google Cloud Platform? [5]
(b) How Load Balancing Works in Google Cloud Platform? [5]
(c) Benefits and Features of Load Balancing in Google Cloud Platform [5]

*** END OF PAPER ***