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Seat No. : 739

AD-105

April-2023

BCA, Sem.-VI

302 (B) : Cloud Computing
(New)

Time : 2:30 Hours]

[Max. Marks : 70

1. (a) Explain following Cloud Computing Platforms and Technologies : 7
Amazon Web Services, Google AppEngine & Microsoft Azure.

- (b) Explain vision of cloud computing. 7

OR

- (a) Write advantages and dis-advantages of cloud computing. 7

- (b) Explain characteristic of cloud computing. 7

2. (a) Explain Eras of computing. 7

- (b) Explain elements of distributed computing. 7

OR

- (a) Write difference between parallel v/s. distributed computing. 7

- (b) Explain Technologies for distributed computing. 7

3. (a) Explain virtualization and cloud computing. 7

- (b) Explain pros and cons of virtualization. 7

OR

- (a) Explain Taxonomy of virtualization techniques. 7

- (b) Explain characteristics of virtualized environments. 7

4. (a) Explain Cloud Reference Model. 7

- (b) Explain Economics of the cloud. 7

OR

- (a) Explain types of clouds. 7

- (b) Explain cloud computing architecture. 7

P.T.O.

5. Attempt the following MCQs : (Attempt any 7 out of 12)

- (1) Which of the following is an essential concept related to Cloud ?
(a) Productivity (b) Abstraction
(c) Reliability (d) None of the above
- (2) Which one of the following is Cloud Platform by Amazon ?
(a) Azure (b) AppEngine
(c) AWS (d) None of the above
- (3) Which of the following is challenge of cloud computing ?
(a) Scalability (b) On Demand Self Service
(c) Resource Pooling (d) Security & Privacy
- (4) _____ is a paradigm of distributed Computing to provide the customers on-demand, utility based computing service.
(a) Cloud Computing (b) Remote Sensing
(c) Remote Invocation (d) None of the above
- (5) A _____ processing system can carry out simultaneous data-processing to achieve faster execution time.
(a) Distributed (b) Virtual
(c) Parallel (d) None of the above
- (6) Complex, large datasets, and their management can be organized only and only using approach.
(a) Remote Computing (b) Distributed Computing
(c) Parallel Computing (d) None of the above
- (7) Which one of the following given programs provides the isolation (abstraction) and partitioning ?
(a) Virtualization hypervisor (b) Hardware hypervisor
(c) Software hypervisor (d) None of the above
- (8) In _____ Type of VM, full virtualization can be possible.
(a) Type1 (b) Type2
(c) Type no 3 (d) None of the above
- (9) Which of the following type of virtualization is also characteristic of cloud computing ?
(a) Storage (b) Application
(c) CPU (d) All of the above
- (10) Which of the following allows systems and services to be accessible within an organization ?
(a) Private cloud (b) Public cloud
(c) Community cloud (d) None of the above
- (11) Which one of the following is associated heavily with vendor lock-in ?
(a) IaaS (b) PaaS
(c) SaaS (d) None of the above
- (12) _____ is the correct full form of SaaS.
(a) Software-as-a-Service (b) Storage-as-a-Service
(c) Server-as-a-Software (d) None of the above