

Seat No. : _____

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

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