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Total No. of Printed Pages: [01]

Total No. of Questions: [09]

BCA (Semester – 6th)
CLOUD COMPUTING
Subject Code: BCAP1663
Paper ID: [160131]

Time: 03 Hours

Maximum Marks: 60

Instruction for candidates:

1. Section A is compulsory. It consists of 10 parts of two marks each.
2. Section B consist of 5 questions of 5 marks each. The student has to attempt any 4 questions out of it.
3. Section C consist of 3 questions of 10 marks each. The student has to attempt any 2 questions.

Section – A

(2 marks each)

Q1. Attempt the following:

- a) Describe the vision of Cloud Computing?
- b) Explain in brief about Distributed Systems.
- c) What do you mean by Utility Oriented Computing?
- d) Define the term Virtualization.
- e) Explain the term Server Consolidation.
- f) Explain in brief about VMware.
- g) What is a classic data center in cloud computing?
- h) Define Virtual Data Centre (VDC).
- i) List Components of the SLA.
- j) What is energy efficiency in cloud computing, and why is it important?

Section – B

(5 marks each)

- Q2: Explain the benefits and challenges of cloud computing.
- Q3: Write a detailed note on characteristics of Virtualized Environment.
- Q4: Explain in detail about Service Oriented Architecture.
- Q5: Write a detailed note on Market-based Management of Clouds.
- Q6: Explain in detail about Third-Party Cloud Services.

Section – C

(10 marks each)

- Q7: Write a detailed note on Cloud Deployment models along with their advantages and disadvantages.
- Q8: Write a detailed note on following
(a) XEN (b) QEMU (c) Hyper-V (3+3+4=10)
- Q9: Explain in detail about Architecture of Federated Cloud Computing.