30/11/2024 EXTC SEM-VII C SCHEME CCAS QP CODE: 10064848

Duration: 3hrs [Max Marks:80]

N.B. : (1) Question No 1 is Compulsory.
      (2) Attempt any three questions out of the remaining five.
      (3) All questions carry equal marks.
      (4) Assume suitable data, if required, and state it clearly.

Q.1 Answer any four questions. Each question carries five marks.   [20 M]

A   What is Cloud Computing? Explain Cloud Characteristics and Components in detail.
B   What is Virtualization? Describe Xen Architecture.
C   Explain Windows Azure Active Directory in detail.
D   Write a short note on Eucalyptus Open-Source Private Cloud Software.
E   Explain in Detail Cloud Deployment models with suitable examples.

Q.2   Answer the following.
A   Explain CPU Virtualization, Memory Virtualization and I/O Virtualization in detail?   [10 M]
B   Compare full Virtualization and Para Virtualization in detail?   [10 M]

Q.3   Answer the following.
A   Explain various Cloud Computing Analytics Services in details.   [10 M]
B   Enlist the Content Delivery Services of Cloud and explain it in detail?   [10 M]

Q. 4   Answer the following.
A   Illustrate the different Design Considerations for Cloud Applications in detail?   [10 M]
B   Explain in detail Data Storage Approaches in cloud ?   [10 M]

Q. 5   Answer the following.
A   Explain Host Security for SaaS, PaaS, and IaaS ?   [10 M]
B   Explain in detail Cloud Storage Gateways and Cloud Firewall.   [10 M]

Q. 6   Answer the following.
A   Explain in detail applications of Cloud Computing for Health care and Education, Transportation, Manufacturing Industry and Mobile Computing.   [10 M]
B   Explain in detail RTMP Streaming, HTTP Live Streaming and HTTP Dynamic Streaming.   [10 M]

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