

## B.Sc. (NEP) Sem.-4 Examination

DSC-C-242

Computer Science

April-2025

Time : 2-00 Hours]

[Max. Marks : 50

**Q.1 Write the following**

- i) Explain evolution of Cloud Computing. 07
- ii) Write any two advantages of Cloud Computing. 03

**OR**

- i) Explain characteristics of Cloud Computing. 07
- ii) Which are different Cloud Service Models ? Name them. 03

**Q.2 Write the following**

- i) Explain components of Cloud Computing Architecture. 07
- ii) Explain Hypervisors virtualization technology. 03

**OR**

- i) Explain Cloud Networking in detail with examples. 07
- ii) Write about Google Cloud Storage. 03

**Q.3 Write the following**

- i) Explain about popular cloud service providers. 05
- ii) What is IaaS ? How does IaaS architecture work ? 05

**OR**

- i) Explain about SaaS model in detail. 05
- ii) Discuss about any two cloud application development platforms. 05

**Q.4 Write the following**

- i) Explain about challenges and Risks in Cloud Computing. 10

**OR**

- i) Explain about Emerging trends in Cloud Computing. 10

(P.T.O)

**Q.5. Attempt any ten out of twelve :-**

- i) An application that provides for transaction overflow in a reservation system is an example of \_\_\_\_\_
- a) cloud bursting  
b) cloud provisioning  
c) cloud servicing  
d) all of the mentioned
- ii) VPCs stands for \_\_\_\_\_
- iii) VPN stands for \_\_\_\_\_
- iv) Give one example of PaaS.
- v) Who is the father of cloud computing?
- a) Sharon B. Codd  
b) Edgar Frank Codd  
c) J.C.R. Licklider  
d) Charles Bachman
- vi) Which of the following is a type of cloud computing service?
- a) Service-as-a-Software (SaaS)  
b) Software-and-a-Server (SaaS)  
c) Software-as-a-Service (SaaS)  
d) Software-as-a-Server (SaaS)
- vii) Applications and services that run on a distributed network using virtualized resources is known as \_\_\_\_\_
- a) Parallel computing  
b) Soft computing  
c) Distributed computing  
d) Cloud computing
- viii) Which architectural layer is used as a backend in cloud computing?
- a) cloud  
b) soft  
c) client  
d) all of the mentioned
- ix) \_\_\_\_\_ monitors the performance of the major cloud-based services in real time in Cloud Commons?
- a) CloudWatch  
b) CloudSensor  
c) CloudMetrics  
d) All
- x) \_\_\_\_\_ model consists of the service that you can access on a cloud computing platform?
- a) Deployment  
b) Service  
c) Application  
d) None
- xi) How many phases are there in Cloud Computing Planning?
- a) 1  
b) 5  
c) 3  
d) 6
- xii) In which of the following service models the hardware is virtualized in the cloud?
- a) NaaS  
b) PaaS  
c) CaaS  
d) IaaS

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