Q 26. Which of the following statement is FALSE if a relation is decomposed into two different relations?

1. Decomposition always dependency preserving.
2. Decomposition always Lossless Join.
3. Decomposition always dependency preserving and lossless Join.

Ops:
A. ⦾ Only 2
B. ⦾ 1 & 2
C. ⦿ Only 1
D. ⦾ 1, 2 & 3

Reset

Q 27. Determine the candidate key for the given relation and related functional dependency.

$R = (A, B, C, D, E, F)$

$C \rightarrow F$

$E \rightarrow A$

$EC \rightarrow D$

$A \rightarrow B$

Ops:
A. ⦾ EF
B. ⦿ E
C. ⦾ AB
D. ⦾ CE

Reset

Q 28. Identify the highest normal form of relation R(k,l,m,n) with functional dependencies f{k->m, l->n}.

Ops: A. ◉ 2NF

B. ◯ BCNF

C. ◯ 1NF

D. ◯ 3NF

Reset

Q 29. In the functional dependency A->B, the attribute A is -

Ops: A. ◯ Dependent

B. ◯ Complex attribute

C. ◯ Simple attribute

D. ◯ Determinant

Q 30. Data redundancy leads to-

Ops: A. ◯ Data atomicity problem

B. ◉ Data inconsistency problem

C. ◯ Data Integrity problem

D. ◯ Data security problem

Reset

C. ~~Data integrity problem~~

D. ○ Data security problem

Reset

Q 31. Which of the following statement is correct for routers?

1. It manages traffic between networks by forwarding data packets to their intended IP addresses
2. It allows multiple devices to use the same Internet connection
3. It manages traffic between networks and devices by forwarding data packets to their intended MAC addresses

Ops: A. ○ Only 2

B. ◉ 1 & 2

C. ○ Only 3

D. ○ 2 & 3

Reset

Q 32. Bridge (networking component) can be used to join -

I. An unshielded twisted-pair (UTP) cabling and fiber-optic cabling

II. Token Ring and Ethernet

Ops: A. ○ Both I and II

B. ◉ Only II

C. ○ Neither I Nor II

D. ○ Only I

Reset

Which of the following device breaks collision domains but not the broadcast domains?

Q 33. Which of the following device breaks collision domains but not the broadcast domains?

Ops: A. ◉ Switch

B. ○ Repeater

C. ○ Hub

D. ○ Router

Reset

Q 34. In cloud computing, which of the following characteristic allows user to release the resources as soon as they are not required?

Ops: A. ○ Customization

B. ○ Per usage metering

C. ◉ Elasticity

D. ○ Self service

Reset

Q 35. Due to which of the following characteristic of cloud computing additional resources are added when an application load increases?

Ops: A. ○ Self Service

B. ◉ Elasticity

C. ○ Customization

D. ○ Per-Usage Billing

Reset

Q 36. Repeaters work on which of the following layer of OSI model?

Ops: A. ○ Session layer

B. ◉ Physical layer

C. ○ Network layer

D. ○ Data link layer

Reset

Q 37. Which of the following device combines transmissions from different input/output devices into one line?

Ops: A. ○ Repeater

B. ◉ Multiplexer

C. ○ Concentrator

D. ○ Modifier

Reset

Q 38. Which of the following checks the cloud service control, verify adherence to standards and examine areas such as privacy and performance levels?

Ops: A. ○ Cloud carrier

B. ○ Load dispatcher

C. ○ Monitor of services

D. ◉ Cloud auditor

Reset

and performance levels!

Ops: A. ○ Cloud carrier
B. ○ Load dispatcher
C. ○ Monitor of services
D. ◉ Cloud auditor

Reset

Q 39. Which of the following is a system that accepts service requests and allocates virtual machines as required?

Ops: A. ○ Cloud carrier
B. ○ Monitor of services
C. ◉ Load dispatcher
D. ○ Cloud auditor

Reset

Q 40. Which of the following are the fundamental constraints that cloud infrastructure should implement?
1. Transparency
2. Scalability
3. Security

Ops: A. ○ 1 & 2
B. ○ 1 & 3
C. ◉ 1, 2 & 3
D. ○ 2 & 3

Reset