

Question: 36 (Marks: 1)

Degree of mobility in network where user moves between access networks, while maintaining ongoing connections is known as .....

Choices:

Moderate Mobility



High Mobility



Low Mobility



No Mobility

Question: 35 (Marks: 1)

Wireless LAN protocol stack does not include \_\_\_\_\_.

Choices:

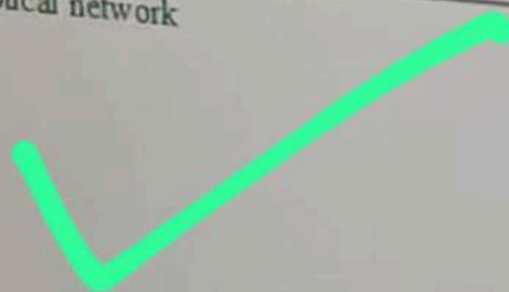
Logical link control



Radio



Passive optical network



802.11 MAC

Question: 33 (Marks: 1)

Broadband access technology is based on .....

Choices:

Shared medium and long distance

Non-shared medium and short distance

Shared medium and short distance

Non-shared medium and long distance

Question: 34 (Marks: 1)

Ad hoc network has \_\_\_\_\_

Choices:

Fixed number of nodes

Proper infrastructure

No proper infrastructure

Non-spatial distribution

Question: 26 (Marks: 1)

Every router on source-dest path maintains \_\_\_\_\_ for each passing connection.

Choices:


State



Flow

Control

Connection

Question:  (Marks: 1)

\_\_\_\_\_ file is used to hold OMNeT++ configuration and parameters of our model.

Choices:

omnetpp.ini

omnet++.ini

omnet++.cmd

omnetpp.ned

Question: 2 (Marks: 1)

Ability to grow is known as .....



Choices:

Scalability



Availability



Reliability



Efficiency



Question: 5 (Marks: 1)

It requires \_\_ RTTs per object in modeling non persistence connections.



Choices:

1



2



3



4



TIME LEFT

Question: 29 (Marks: 1)

In which of the following technique, one checksum is computed over the header and another checksum computed over entire packet.


Choices:

TCP and UDP

IP

XTP

TCP and IP



Question: 26 (Marks: 1)

Every router on source-dest path maintains \_\_\_\_\_ for each passing connection.



Choices:

State



Flow



Control



Connection



Question: 28 (Marks: 1)

In Parity Checks technique ----- parity detect single bit errors.



Choices:

Single bit



Multiple bits



0 bit



Error bit



Question: 24 (Marks: 1)

\_\_\_\_\_ identifies the operation in the wake of TimeOut.

Choices:

NFC 2581



RFC 2581



SFC 2581



TFC 2581



Question: 23 (Marks: 1)

In Max Frame Size computation Ethernet recommends ..... frame size as maximum.



Choices:

1500 Bytes



1600 Bytes



100 Bytes



1700 Bytes



Packet transmission in ALOHA protocol is .....

Choices:

Dependent



Independent



Synchronized



Randomized



Question: 12 (Marks: 1)

\_\_\_\_\_ is a sequence of bits that delimits a frame's Start and End.

Choices:

Flag



Index



IP



Frame



Question: 31 (Marks: 1)

Ethernet recommends minimum frame size up to \_\_\_\_\_.

Choices:

64 Bits



32 Bytes



156 MB



64 Bytes



Question: 30 (Marks: 1)

Packets in Priority queue are scheduled in ----- order.

Choices:

LIFO



FIFO



correct

Ascending



Descending



Question: 7 (Marks: 1)

During periods of congestion, \_\_\_\_\_ queuing benefits UDP flows over TCP flows

Choices:

FCFS



Priority

LIFO

FIFO



Poisoned reverse does not work if more than \_\_ neighbors are involved in looping

Choices:

1



2



3



4



Question: 22 (Marks: 1)

\_\_\_\_\_ Queues provide best effort services.



Choices:

Priority

FIFO

LIFO

Fair

Question: 40 (Marks: 1)

Total time for N objects in persistent connection is -----




Choices:

$(N) \cdot \text{RTT} + N \cdot \text{Transmit time}$

$(N+1) \cdot \text{RTT} + N \cdot \text{Transmit time}$

$2\text{RTT} + N \cdot \text{Transmit time}$

$N \cdot 2\text{RTT} + N \cdot \text{Transmit time}$



Question: 37 (Marks: 1)

WiMAX stands for .....

Choices:

Wireless Interoperability for Microwave Access

Worldwide Interoperability for Multi-purpose Access

Worldwide Interoperability for Microwave Access

Wire-line Intra-operability for Microwave Access

Question: 20 (Marks: 1)

Weighted fair queue supports bit by bit \_\_\_\_\_ scheduling.

Choices:

Round robin

FIFO

LIFO

Priority Queue



Network Modeling and Simulation (CS432)

Question: 17 (Marks: 1)

In TCP congestion control, Rate = CongWin/ \_\_\_\_\_.

Choices:

RTT



LastByteSent



LastByteRecv



Question: 19 (Marks: 1)

QoS routing is to find a \_\_\_\_\_ route for the session.

Choices:

Good

correct

Shortest

Delayed

Typical



Network Modelling and Simulation (CS432)

Question: 25 (Marks: 1)

\_\_\_\_\_ is the complexity of the link state protocol in datagram networks.

Choices:

$O(n)$

$O(\log n)$

$O(n \log n)$

$O(n^2)$

Question: 10 (Marks: 1)

IntServ (QoS model) simulate the "virtual circuit" of ATM or frame relay on layer \_\_\_\_.

Choices:

2



3



4



5



Question: 15 (Marks: 1)

IEEE 802.16 is an emerging \_\_\_\_\_ technology.



Choices:

wire line MAN

wireless WAN

wireless MAN

wireless VLAN

Question: 1 (Marks: 1)

Size of scalar results file size is \_\_\_\_\_ vector results file.

Choices:

often greater than



often less than



often equal to



always equal to



Question: 2 (Marks: 1)

Ability to grow is known as .....



Choices:

Scalability



Availability



Reliability



Efficiency



Question: 21 (Marks: 1)

Route lookup essentially involves tracing \_\_\_-bit destination address in the trie to find the vertex.



Choices:

16



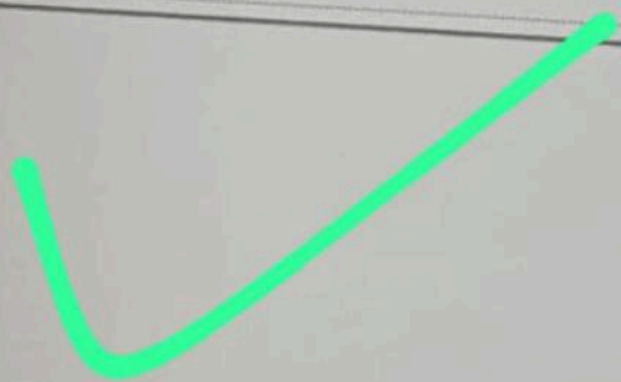
32



64



128



Mingwenv means \_\_\_\_\_



Choices:

Ming Window Environment

Minimalist GNU for Windows Environment

Mini Graphical Windows Environment

Mini Google Windows Environment

Question: 18 (Marks: 1)

The \_\_\_\_\_ queuing system consists of a single queuing station with a single server.



Choices:

M/M/1



M/N/1



M/M/0



M/N/0

Question: 13 (Marks: 1)

Directed graph is represented with the help of \_\_\_\_\_

Choices:

$G(N, E)$

correct

$E(G, N)$

$N(E, G)$

$E(N, G)$



## Assessment Quiz

Question # 2 of 4

Time Left: 73

Total time required to receive a file from HTTP server is more than -----

Select the correct option

[Reload Math Equation](#)

- |                                  |         |
|----------------------------------|---------|
| <input type="radio"/>            | 1RTT    |
| <input checked="" type="radio"/> | 2RTT    |
| <input type="radio"/>            | 1.5 RTT |
| <input type="radio"/>            | 0.5 RTT |

[Click to Save Answer & Move to Next Question](#)

## Assessment Quiz

In formula of average access delay  $\Delta/(1 - \Delta b)$ , **b** is representing \_\_\_\_\_

Select the correct option

Reload Math Equations

- |                                  |  |
|----------------------------------|--|
| <input type="radio"/>            | Arrival time of objects to the access link |
| <input type="radio"/>            | Request rate of client to the access link  |
| <input type="radio"/>            | Access rate of objects to the access link  |
| <input checked="" type="radio"/> | Arrival rate of objects to the access link |

Click to Save Answer & Move to Next Question



Type here to search



### Assessment Quiz

Question # 2 of 4

Time Left: 58 sec

If web cache do not have the required response, the request is forwarded to -----

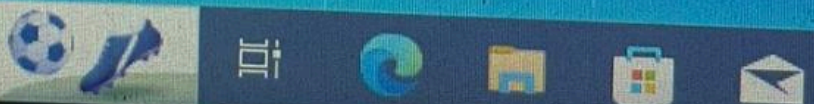
Select the correct option

Reload Math Equations

- Comuter's Cache
- FTP Server
- Origin Server
- Web Cache

Click to Save Answer & Move to Next Question

Type here to search



Assessment Quiz

Question # 3 of 4

Time Left: 65 sec(s)

Handshaking, windows, & acknowledgements are ----- functions:

Select the correct option

Reload Math Equations

- Cache
- Protocol
- Throughput
- Network

Click to Save Answer & Move to Next Question

### Assessment Quiz

Question # 1014

Time left: 07 sec

Persistent means \_\_\_\_\_

Select the correct option

Reload Math Equations

- Break able
- Continious
- Without continuity
- Un break able

Click to Save Answer & Move to Next Question

### Assessment Quiz

Quiz Duration: 6 Minute(s)

Quiz Result: 4 out of 4

#### Assessment Attempt Detail

Question	Result
In case of persistence HTTP total time required to receive every file from HTTP server is more than _____ except first file which have to wait for more than 2RTT.	✓ - Correct
Wen web cache is in use, HTTP request is first sent to _____.	✓ - Correct
The web cache reside in _____.	✓ - Correct
Disk-access speed and _____ is one of performance factor of workstation & server.	✓ - Correct

Retake Quiz


Assessment Quiz x

Question # 2 of 4

Time Left: 63 sec(s)

Victim type and Impact on the victim are part of \_\_\_\_\_

Select the correct option

 Reload Math Equations

- Attack module
- OMNeT++ Framework
- Defense module
- INET Framework

Click to Save Answer & Move to Next Question

## Assessment Quiz

Question # 2 of 4

Time Left: 62 sec(s)

In case of non-persistence HTTP total time required to receive every file from HTTP server is more than \_\_\_\_\_.

Select the correct option

Reload Math Equations

<input type="radio"/>	1.5 RTT
<input checked="" type="radio"/>	2RTT
<input type="radio"/>	1RTT
<input type="radio"/>	0.5 RTT

Click to Save Answer &amp; Move to Next Question

Type here to search



## Assessment Quiz

Question # 3 of 4

Time Left: 44 sec(s)

Total time requires to get N requested files in case of non - persistent HTTP is \_\_\_\_\_

Select the correct option

Reload Math Equations

- |                                  |   |
|----------------------------------|---|
| <input type="radio"/>            | $N \cdot RTT + N \cdot \text{Transmit time}$  |
| <input checked="" type="radio"/> | $N \cdot 2RTT + N \cdot \text{Transmit time}$ |
| <input type="radio"/>            | $N \cdot 3RTT + N \cdot \text{Transmit time}$ |
| <input type="radio"/>            | $(N+1)RTT + N \cdot \text{Transmit time}$     |

Click to Save Answer &amp; Move to Next Question



Type here to search



Assessment Quiz

Question # 2014

Time Left: 02 Sec(s)

Deployment location and attack detection technique are part of\_\_\_\_\_.

Select the correct option

Reload Math Equations

- OMNeT++ Framework
- INET Framework
- Defense module
- Attack module

Click to Save Answer & Move to Next Question



Assessment Quiz

Question # 3 of 4

Time Left: 57 sec(s)

If web cache do not have the required response, the request is forwarded to \_\_\_\_\_.

Select the correct option

Reload Math Equations

- Web Cache
- Origin Server
- Comuter's Cache
- FTP Server

Click to Save Answer & Move to Next Question

### Assessment Quiz

Question # 3 of 4

Time left: 0

How client and server connects in case of HTTP communication?

Select the correct option

Reload Math Equ

- |                                  |                            |
|----------------------------------|----------------------------|
| <input checked="" type="radio"/> | 3 way hand shaking         |
| <input type="radio"/>            | 2 way hand shaking         |
| <input type="radio"/>            | No hand shaking involve    |
| <input type="radio"/>            | Request and response model |

Click to Save Answer & Move to Next Question



Assessment Quiz

Question # 4 of 4

Time Left: 49 sec(s)

When web cache is in use, HTTP request is first sent to \_\_\_\_\_.

Select the correct option

Reload Math Equations

- Origin Server
- Computer's Cache
- Web Cache
- Main Server

Click to Save Answer & Move to Next Question

### Assessment Quiz

Question # 2 of 4

Time Left: 60 sec(s)

When web cache is in use, average HTTP response time -----

Select the correct option

Reload Math Equations

- Remain same
- Decreases
- Increases
- Become half

Click to Save Answer & Move to Next Question


Assessment Quiz

Question # 3 of 4

Time Left: 65 sec(s)

HTTP works on \_\_\_\_\_ layer.

Select the correct option

 Reload Math Equations

- Data link
- Application
- Network
- Transport

Click to Save Answer & Move to Next Question


Assessment Quiz x

Question # 4 of 4


Time Left: 40 Sec(s)

The web cache reside in \_\_\_\_\_

Select the correct option

 Reload Math Equations


- Main server
- Proxy Server
- Laptop
- Web Server

Click to Save Answer & Move to Next Question 

## Assessment Quiz

A Circular Distributed Hash Table (DHT) is a distributed data structure used in \_\_\_\_\_ networks to efficiently locate resources and services.

Select the correct option

 Reload Math Equation

- |                                  |               |
|----------------------------------|---------------|
| <input type="radio"/>            | Client server |
| <input type="radio"/>            | Centralized   |
| <input checked="" type="radio"/> | Peer-to-Peer  |
| <input type="radio"/>            | Dynamic       |

Click to Save Answer & Move to Next Question

Type here to search



### Assessment Quiz

The delay from Internet router to institution router is called \_\_\_\_\_

Select the correct option

Reload Math Equations

- Minimum access delay
- Average access delay
- Average internet delay
- Maximum access delay

Click to Save Answer & Move to Next Question

# Assessment Quiz

## Post-Assessment

Question # 3 of 4

Time Left: 57 sec(s)

Web browser receives HTTP -----

Select the correct option


Reload Math Equations

- Response
- Data
- Connection
- Request

### Assessment Quiz

Browsing behavior determined by a list of \_\_\_\_\_ web sites to visit at specific times

Select the correct option

 Reload Math Equations

<input checked="" type="radio"/>	Predefined
<input type="radio"/>	Optimal
<input type="radio"/>	Routing
<input type="radio"/>	Cached

Click to Save Answer & Move to Next Question

Type here to search



Assessment Quiz


### Post-Assessment

Question # 4 of 4

Time Left: 53 sec(s)

Implementation of \_\_\_\_\_ is a newly added support in OMNET++

Select the correct option

 Reload Math Equations


- |                                  |          |
|----------------------------------|----------|
| <input checked="" type="radio"/> | RFC 1035 |
| <input type="radio"/>            | RFC 1951 |
| <input type="radio"/>            | RFC 931  |
| <input type="radio"/>            | RFC 1034 |



### Assessment Quiz

DNS client that can query a DNS server is a supported \_\_\_\_\_ operation

Select the correct option

 Reload Math Equations

<input checked="" type="radio"/>	DNS
<input type="radio"/>	MDNS
<input type="radio"/>	OMNET ++
<input type="radio"/>	Server

Click to Save Answer & Move to Next Question

### Assessment Quiz

The HTTP 1.1 also provides the PUT and \_\_\_\_\_ methods

Select the correct option

Reload Math Equation

- Request
- DELETE
- REMOVE
- Response

Click to Save Answer & Move to Next Question

### Assessment Quiz

The HTTP browser actually utilizes the HTTP -----

Select the correct option

🔄 Reload Math Equations

Response

BrowserDirect

NodeBase


BrowserBase

Click to Save Answer & Move to Next Question

## Assessment Quiz

Formula for average access delay is -----

Select the correct option

 Reload Math Equations



$$\Delta/(1 + \Delta b)$$



$$\Delta/(1 - \Delta b)$$



$$\Delta*(1 - \Delta b)$$



$$\Delta/(\Delta b - 1)$$

Click to Save Answer & Move to Next Question



## Assessment Quiz

## Post-Assessment

Question # 2 of 4

Time Left: 43 sec(s)

What is the correct formula to find the efficiency of BitTorrent.



Select the correct option

[Reload Math Equations](#)


- |                                  |   |
|----------------------------------|---|
| <input checked="" type="radio"/> | $(T_{\text{BitTorrent}} - T_{\text{CSFD}}) / T_{\text{CSFD}}$ |
| <input type="radio"/>            | $(T_{\text{BitTorrent}} + T_{\text{CSFD}}) / T_{\text{CSFD}}$ |
| <input type="radio"/>            | $(T_{\text{BitTorrent}} * T_{\text{CSFD}}) / T_{\text{CSFD}}$ |
| <input type="radio"/>            | $(T_{\text{BitTorrent}} - T_{\text{CSFD}}) * T_{\text{CSFD}}$ |



## Assessment Quiz

A torrent use \_\_\_\_\_ architecture.

Select the correct option

 Reload Math Equations

<input checked="" type="radio"/>	P2P
<input type="radio"/>	HTTP
<input type="radio"/>	Client Server
<input type="radio"/>	TCP


Click to Save Answer & Move to Next Question



### Assessment Quiz

The transport layer manages the successful delivery of the data from the host to the other -----

Select the correct option

 Reload Math Equations


- Router
- Host
- Tower
- Air

Click to Save Answer & Move to Next Question

### Assessment Quiz

The support for TCP in the INET framework is very -----

Select the correct option

 Reload Math Equations

- Less
- Mdeium
- Broad
- Optimal

Click to Save Answer & Move to Next Question