

Course name: Network I
 Course Code: CNE 304
 Lecturer: Dr. Ahmed ElShafee

Exam number: Take Home Exam
 Exam Delivery Date: 21/07/2014
 Time Allowed: -

Name: _____

ID: _____

***** Type your answer(s) in the table on page (1 – 2) *****

***** From answers pool in pages (3 - 6) *****

Total
/20

Questions

#	Question	Your answers			
1	common communication media for Ethernet network (3)				
2	Define peer to peer network (1)				
3	Client Server Network (1)				
4	Define Metropolitan Area Network (1)				
5	Data link layer functions (3)				
6	Transport layer function (1)				
7	Internetwork layer functions (2)				
8	10base4 Ethernet standard (1)				
9	10base2 Ethernet standard (2)				
10	CSMA/CD stands for (1)				
11	CSMA/CD functions (2)				
12	POP3 definition (1)				
13	Software port (2)				
14	AD HOC network definition (2)				
15	Extended Service Set definition (1)				
16	FTP definition (1)				



17	255.255.252.0 is a valid (1)				
18	Webmail protocol (2)				
19	192.168.1.5 is a valid (1)				
20	192.168.1.0 is a valid (1)				

Answers

#	Answers
1	10 Mbps
2	100 Mbps
3	100 meters of segment length
4	1000 Mbps
5	200 meters of segment length
6	300 meters of segment length
7	400 meters of segment length
8	A fixed number assigned by transport layer to each software session in client PC
9	A fixed number assigned by transport layer to each software session in client PC
10	A fixed number known by transport layer to server software
11	A random number assigned by network layer to each software session in client PC
12	A random number assigned by transport layer to each software session in client PC
13	A wireless extension to wired LAN
14	Access Point operates in Ad Hoc mode
15	Access Point operates in Bridge mode
16	Addressing hardware components on the network
17	Another name for local area network
18	Can't deal with collision if happened
19	Carrier Sense Modulation And Collision Detection
20	Carrier Sense Multiplexing Access Common Distributer
21	Carrier Sense Multiple Access Collision Detection
22	Carrier Sense Multiplexing Access Collision Detection



23	Carrier Sense Multiplexing Access Collision Distributer
24	Carrier Sense Multiplexing And Collision Detection
25	Check for data integrity
26	Check for data validity
27	Client software deal with emails
28	Coaxial cables
29	Common Segment Modulator Across Common Distributer
30	Contains only PCs with wireless NIC
31	Correct corrupted data
32	Define data representation as electrical signals
33	Drops corrupted data by a collision
34	Each PC associated to it has its own SSID
35	Exchanging data between applications on a PC
36	Exchanging data between network card and cables on a PC
37	Exchanging data between nodes inside the network
38	Exchanging data between PCS inside a network
39	Fiber cables
40	Fragmentation of data packets between network elements
41	Free space
42	FTP
43	Has no SSID
44	HTTP
45	HTTPS
46	Informs all network entities that a collision is happened
47	IP address
48	Local area network uses a special physical layer/data link layer equipment.
49	Logical address of network entities
50	MAC address
51	Multicast address

52	Network connects distant users.
53	Network has no access to the internet
54	Network has no router
55	Network has no servers
56	Network has no wireless users
57	Network has server and work stations
58	Network name
59	Network supports transmission of HD videos
60	Network used by mobile phones
61	Network used to make distant phone call beside transferring data
62	No valid answers
63	Operating system that deal with emails
64	Physical address of network components
65	POP3
66	Protocol for receiving emails
67	Protocol for sending emails
68	Protocol supports exchanging email through internet
69	Protocol supports remotely control other network elements
70	Protocol used to transfer files between network elements
71	Protocol used to transfer multimedia between network elements
72	Recovers collisions by listening to network after sending data
73	Recovers corrupted packets by a collision by sending them again
74	Recovers corrupted packets by listening to network before sending data
75	Routing packets between network elements
76	Select appropriate time to transmit data
77	Server that deal with emails
78	SMTP



79	Stops sending packets –for a while- if collision is happened
80	Subnet mask
81	TELNET
82	The wireless version of cross over wired network
83	Twisted pair cables
84	Two Common Service Set connected through internet
85	Two LANs connected through fiber link
86	Two LANs connected through terrestrial link
87	Two local area networks connected together using wide area network technology
88	Unicast address