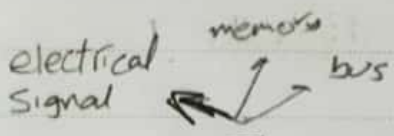
# sheet 4

MCQ:-




1. B. Faster (interconnection network) Fabric:- Medik hym4y fyha
2. B. queuing delay
3. A. Drop arriving packet: (priority → B)
4. C. Packet scheduling
5. C. class
6. B. Header
7. D. All (ICMP → 3shan IP mbyt3ml 4 m3a El protocol)
8. B. Interface (logical connection 3shan aSly El router yt3aml bl7aga El mtwsla bynA) (rkm El port El mtwsla 3lyh)
9. A. IP Address
10. A. for a limited period
11. C. 10
12. b. source

IPV4 → 20
IPV6 → 40

التاريخ: / /  الموضوع

13. C. 255.255.0.0

14. A. ERROR Reporting

15. a.0  FragFlag → yTsl Fragmentation (etZsmt)

16. D. All  (a. hyB2d Elsmlya hyTfsl loss) (b. attaOk) (c.

17. B. MaX Transmisslon Unit

18. d. 40

19. B. 128 bits  (IPV4 → 32 bits)

20. D. AnyCast

True or false:-

1. false (limited) or (IPV6)

2. True

3. false (IPV4)

4. True (subnet by7dd t2symt El network bt3na)

5) false

subnet

net address  Host address

SENA → mynf34 yb2a 3ndy 0 w b3du fKn (network) (host)

6. False (IPV6 nfho4)

7. False (mafy4 7aga esm IPV5)

8. True

Problems :- network address host address

1) 255 . 255 . 240 . 0

8 8 16 $2^4$ $2^8$ $= 2^{12}$

3shan akmel 255

no. of Hosts $= 2^{12} - 2$

network address
broadcast address

3) 128.119.40.129 /26 → 26 bits Network address
6 bits host

a) 26 bits Network addres

6 bits host

b) 128.119.40.64 /28
128.119.40.79 /28
128.119.40.80 /28
128.119.40.96 /29

4) 223.1.17.x/24

60 = $2^6$
90 = $2^7$
12 = $2^4$

① 223.1.17.0/25
223.1.17.127/25 } subnet 1

223.1.17.128/26
223.1.17.191/26 } subnet 2

223.1.17.192/28
223.1.17.207/28 } subnet 3

2)

a) 2400/700 = 4 Fragments

b)

| Frag # | H | Payload | Frag flag | offset |
|---|---|---|---|---|
| 1 | 20 bytes | 680 | 1 | 0 |
| 2 | 20 bytes | 680 | 1 | 85x8=680 |
| 3 | 20 bytes | 680 | 1 | 170x8=1360 |
| 4 | 20 bytes | 340 | 0 | 255x8=2400 |