Part 1. Short answers

- 1. Application, Transport, Network, Link, Physical
- 2. WON-persistent, one object sent over TEP Persistent, multiple objects sent over TEP
- 3. UDP Unreliable, TCP Tellable
- · H. Dish operating system
 - 5.3
 - 6. H++p application
 - TCP transport
 - IP retwork
 - DNS application
 - FAMA -
 - ALP -
 - DHEP -
 - 7. ATTD-80
 - SMTP E87
 - 8. Streeming protocol for high res vid over web.
 - 9. 32 bits, 20 bits in numask
 - 10. UT bits, yer its unique
 - 11. Zp Routing Mac-switch
 - 12.
 - 13
 - 14
 - 15.

- 1)10
- 2) A
- 3) B
- 4) C
- 5) A
- 6) B
- 7) C
- A (8
- 973
- 1(0)

Part 3. Long-Answer 1. RSA P=3 q=71.1 $n=3 \times 7=21$ $Z=(3-1)(7-1)=2\cdot 6=12$

2.

- 2.2 The heater will be removed and destination Ip will be occurrent.
- 2.3 -Source JP: 222.222.220
 Distinguish JP: 222.222.222
 Source Mare: 14-23-F9-00-00-05
 Destination Mar: 49-50-02-07-56-24
- 2.4 packet heater will be stripped, and payload is procured

congesticion avoismen: 4-6, 10-23,

Fast recovery: 24, 32

RTT = 31 -> 13

1001

001

1001 00001000 1001 0001 0000 Remainer = 0

5.1 BH CP SERVER APP - DUCP

trons - upp

Network - IP

Link - ethernet

5.3 APP - DNS S.4 ARP Protocol S.S APP - HTTP

trans - UDP

Network - IP

Network - IP

Nework - IP Network -

Link - ethernet Hink - ethernet