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Collected and Composed by Bilal Farooq (bilal.zaheem@gmail.com)

1) When an application---------- data, it makes a copy of the data available to all other computers on the network.

► **Broadcasting**

► Multicasting

► Unicasting

► None of the given

2) Ethernet uses a ------ bit static addressing scheme in which each device is assigned a unique address by the manufacturer.

► 64

► 48

► 32

► 8

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3) The product of delay and throughput measures the _____ of data that can be present on the network.

► Area

► **Volume (supposition)**

► Length

► None of the given

4) Connectionless service, Message-Oriented protocol, best effort delivery service, arbitrary interaction and operating system independent are the characteristics of _____

► TCP

► **UDP**

► IP

► None of the given

5) _____ uses distance vector approach to define routing

► BGP

► OSPF

► **RIP**

► None of the given

6) Whenever it handles a packet, IP software needs to separate the destination address into a _____ and _____.

► postfix, Infix

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► non of these

► Infix, prefix

► **prefix, suffix**

7) ARP is almost always used to bind a ___-bit IP address to a ___-bit Ethernet address.

► **32, 48**

► 24, 32

► 32, 64

► 32, 128

8) Which method of Address Resolution Protocol is useful with any hardware?

Were "T" stands for Table lookup, "C" for Closed-form Computation and "D" for Data Exchange?

► T

► **C (Supposition)**

► D

► C, D

9) In which method of Address Resolution Protocol the protocol address is determined by hardware address?

Were "T" stands for Table lookup, "C" for Closed-form Computation and "D" for Data Exchange?

► T

► D

► **C**

► T, C

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10)We use the term _____ to refer to a measure of the path that routing software use when choosing a route.

► routing path

► **routing metric**

► routing

► switching

11) A network uses a ------arranges for computers to be connected in a closed loop.

► Star Topology

► **Ring Topology**

► Bus Topology

► None of the given

12) An interface for thin Ethernet must have an _____ connector , and must generate signals according to the_____ specification.

► **RJ-45, 10 Base T**

► RJ-45, 10 Base 5

► BNC, 10 Base 2

► BNC, 10 Base T

13) _____ protocols of TCP/IP layering model specify how to ensure reliable transfer.

► Physical Layer

► Network Interface Layer

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► Internet Layer

► **Transport Layer**

14)_____ uses distance vector approach to define routing

► BGP

► OSPF

► **RIP**

► None of the given

i) question regarding Ip-multicasting (arbitrary computer to join multicast group)

ii) CRC detect what kind of error

iii) define IPV6 NEXT HEADER

iv) question regarding the metric of routing protocol

4 question of 3 marks

i) describe three feature of closed-form computation

ii) TCP timer for retransmission

iii) Difference between forwarding and routing

iv) Define ATM techonology

2 question of 10 marks

i) Define the CHARACTERISTICS OF UDP.

ii) question regarding the EGP (EXTERIOR GATEWAY PROTOCOL)

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