Subject: COMPUTER NETWORKS Date: VIVA
1. What is NAT?
A youter that allows multiple device to use
A youten that allows multiple device to use single unique public IP address.
2. NAT implementation?
- Dosigned for IP address conservation
Designed for IP address conservation -> Operates on a mouten usually connecting two
metworks together.
networks together. Translates the private addresses in the
Internal network into legal addresses, before
Packets are torwarded to another network.
3. What is MSG integrity?
Message integrity means that a message has
Message integrity moons that a message has not been tempered a with on altered.
The most common approach is to use a hash
The most common approach is to use a hash function.
4. What do you mean by Confidentiality?
Two on mone hosts communicate soundly.
tunically using enchymnen
4. What do you mean by Confidentiality? Two on mone hosts communicate securely, typically using encryption Only the people who are authorized to do so can goin access to sensitive data.
can gam acress to sempitive data.

5. Describe 1 attack?
1 Network Allacks - A network attack is on attempt to
gain unauthonized agress to an organizations network, with
the objective of steeling data on perform other malienus
activity.
Allocks - A network attack is an attempt to gain unauthorized access to an organizations network, with the objective of stealing data on penton other malierous activity. He Adire Attacks - Attempts to after system
MESOURCES ON affect thoir anemation
Filesone Attack - Attempts to learn on make
Mesources on offect their operation. He Rassive Attack: - Attempts to learn on make use of information from the system but does not affect system nesources.
Customs was and are
System nesources.
College of the Colleg
6. Trow many It & age there in a govern
6. How many IP's age there in a youter? Routers have two IP addresses. A public one
* Public IP addyess is used to access the
intermet
* Pyrate IP addyess is used with a local network.
7. What is the fuction of a Network layer?
*Third lover in the OSI model.
7. What is the fuction of a Network layer? *Third loyer in the OSI model. *Moin function is to transfer network packets from the source to the destination.
Production of the declaration
Tyon The source To the despiration.

8. What's the	2 difference	between	Broadcast	&
Multicast?				

The key difference between broadcast cond multicast is that in the broadcast the packet is delivered to all the host connected to the network whereas, in multicast packet is delivered to intended mecipients only.

9. What is meant by hash function?

A hash function is used for data encryption. It converts a numerical Propert value into another compressed numerical value.

10. What is forwarding?

Systems on a network.

* Packets are transferred between a source interface and a destination interface, usually on two different systems.

11. What is mouting?

Routing is the process of selecting a path form traffic in a network on between or across multiple networks.

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Subject:	Date:
12. What is youter? A youter is a networking of packets between computer network	levice that forwards data
13. What is hash? Converting one value to include chyptography, compression	
14. Can we yesend the message. No	using same hash?
15. What is DHCP? ** Dynamic Host Configuration Pr ** A DHCP servery is a metro automatically provides and assign gateways and other network p devices.	work server that
16. What is DNB? * Domain Name System. * The main function of DN domain names into IP address can understand. * It also provides a list or accept emails for each domain	es, which computers Finail servers which
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Subject:	Date:
17. What's the difference be	twom Asymmetrie and
Summative Englished	
Symmetrie Encryption?	
of ? II I	once between these two types
of 15 that symmetric encr	lyption uses one key ton bot
enchyption and dechyption	and the asymmetric
emonyption uses public key	y top encryption and a philate
key - Yly decrypton.	tyption uses one key for bot and the asymmetric
18. <u>Class</u>	Number of Networks
Class A —	128(27)
Class B	16, 384 (214)
Class C	2,097,152 (221)
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