

**G.PULLAIAH COLLEGE OF ENGINEERING & TECHNOLOGY (AT)**

**III.B.Tech, II Sem.Objective – II Exam**

**Branch:COMPUTER SCIENCE AND ENGINEERING**

Sub:COMPUTER NETWORKS(13A05601)

Date:08-05-2017

Time: 20 MIN

Max.Marks:10

**Answer the multiple choice questions**

- 1.Two or more networks are connected to form \_\_\_\_\_ [ ]  
a)Internet b)Network c)Ring d)None
- 2.Packets travel individually can take different routes in \_\_\_\_\_ [ ]  
a)Connectionless interworking b)Virtual circuits c)Both d)None
- 3.The fragments are not reassembled until the final destination is reached in \_\_\_\_\_ fragmentation [ ]  
a)Nontransparent b)Transparent c)Regular d)None
- 4.A Routing algorithm within In Autonomous system is called \_\_\_\_\_ gateway protocol [ ]  
a)Exterior b)Interior c)Both d)None
- 5.Algorithm for routing between Autonomous systems is called \_\_\_\_\_ gateway protocol [ ]  
a)Exterior b)Interior c)Both d)None
- 6.A \_\_\_\_\_ network can have multiple routers which can directly communicate with all [ ]  
a)Multi-access b)Multiple access c)Accessible d)None
7. \_\_\_\_\_ field in IPV6 header is used to distinguish packets with different real-time delivery requirements [ ]  
a)Traffic class b)Flow label c)Hop limit d)None
8. \_\_\_\_\_ primitive block until a DATA packet arrives [ ]  
a)LISTEN b)CONNECT C)SEND d)RECEIVE
- 9.UDP transmits \_\_\_\_\_ consists of 8-byte header followed by payload.[ ]  
a)Segment b)packet c)Bit d)frame
- 10.The P bit indicates packet had been padded to multiple of \_\_\_\_\_ bytes in RTP header. [ ]  
a)8 b)6 c)7 d)4

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a)8 b)6 c)7 d)4

### Fill in the blanks

1. The number of characters used in country domain is \_\_\_\_\_
2. The processes that keep track of all mobile hosts visiting the area is \_\_\_\_\_
3. The length of the TCP segment header is \_\_\_\_\_
4. The regions in Hierarchical routing are grouped in to \_\_\_\_\_
5. The routing algorithm within each network is \_\_\_\_\_
6. The service of closed loop congestion control technique is \_\_\_\_\_
7. The structural frame work for accessing linked documents is called \_\_\_\_\_
8. The TCP sockets are assigned address using \_\_\_\_\_
9. The domain name that ends with a period is called \_\_\_\_\_
10. The FIN bit in the TCP header represents \_\_\_\_\_

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1. \_\_\_\_ bit is an application-specific marker bit in RTP header. [ ]  
a)P b)X c)M d)None
2. \_\_\_\_ is the port number that is used for FTP [ ]  
a)25 b)23 c)24 d)21
3. Every bit on a TCP connection has its own \_\_\_\_ sequence num. [ ]  
a)16-bit b)48-bit c)32-bit d)None
4. DNS stands for \_\_\_\_ name space [ ]  
a)Domain b)Data c)Division d)None
5. \_\_\_\_ agent moves the messages from source to destination [ ]  
a)user b)Message transfer c)displaying d)None
6. The protocol that allows user agent to contact the message transfer agent on ISP's machine [ ]  
a)SMTP b)RTP c)POP3 d)NONE
7. In \_\_\_\_ protocol e-mail is stored in user's PC [ ]  
a)SMTP b)IMAP c)POP3 d)NONE
8. Usage of server resources is extensive in [ ]  
a)SMTP b)IMAP c)POP3 d)NONE
9. When routers are being inundated by packets that they cannot handle, they just throw them away is known as \_\_\_\_ [ ]  
a)padding b)shedding c)sending d)None
10. The ability of loud sound in one frequency to hide a softer sound in another frequency [ ]  
a)Frequency masking b)Temporal Masking c)Masking d)None

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### Fill in the blanks

- 1.The length of UDP header is \_\_\_\_\_-
- 2.The protocol that runs on the portnumber 25 is \_\_\_\_\_
- 3.The protocol used to test the internet is\_\_\_\_\_
- 4.The size of the TCP congestion window depends on\_ \_\_\_\_\_
- 5.The TCP exchange data in the form of\_ \_\_\_\_\_-
- 6.Time out determination policy isused in \_\_\_\_\_
7. To access e-mails from any machine and any where, we use \_\_\_\_\_
- 8.To do multicast routing, each router computes a \_\_\_\_\_
9. To map a name onto an IP address, an application program calls called the \_\_\_\_\_
10. UDP header contains \_\_\_\_\_ number of fields.

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**Answer the multiple choice questions**

1. An example of public key algorithm is\_\_\_\_\_ [ ]  
a) RSA b)DES c)AES d)None
2. In e-mail system\_\_\_\_\_allow people to read and send e-mails [ ]  
a)Display b)User agent c)MTA d)None
3. In e-mail system, \_\_\_\_\_ move the message from the source to the destination. [ ]  
a)Display b)User agent c)MTA d)None
4. Internet telephony is called as \_\_\_\_\_ [ ]  
a)Voice Over IP b)Audio Over IP c)Video Over IP d)None
5. Number of iterations in Data Encryption Standard algorithm\_[ ]  
a) 8 b)9 c)15 d)16
- 6.The port no used for HTTP \_\_\_\_\_ [ ]  
a) 21 b)23 c)25 d)80
7. Sending a message to a well defined group that are numerically large [ ]  
a)Broadcasting b)Multicasting c)Both d)None
8. Sending a packet to all destinations simultaneously is called [ ]  
a)Broadcasting b)Multicasting c)Both d)None
9. Sending of a IP packet from host 1 to host 2 where both are of same LAN but the packet is transferred through different intermediate LAN\_\_\_\_\_ [ ]  
a).Tunneling b)Transferring c)Transporting d)None
10. The connectionless internet transport protocol is\_\_\_\_\_ [ ]  
a)TCP b)UDP c)Both d)None

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10. The connectionless internet transport protocol is\_\_\_\_\_ [ ]  
a)TCP b)UDP c)Both d)None

### Fill in the blanks

1. \_\_\_\_\_ is a protocol that manages group membership.
2. The combination of an IP address and a port number is called a \_\_\_\_\_
3. A packet in TCP is called a \_\_\_\_\_
4. The \_\_\_\_\_ is a client server application that identifies each host on the Internet with unique user friendly name.
5. \_\_\_\_\_ provides service to the user to make the process of sending and receiving a message easier.
6. The Connection establishment procedure in TCP is susceptible to a serious security problem called \_\_\_\_\_ attack.
7. \_\_\_\_\_ protocol is used to transfer files from one computer to another.
8. Using IMAP, thee-mails are stored at \_\_\_\_\_
9. Using POP3, thee-mails are stored at \_\_\_\_\_
10. Web pages are written in \_\_\_\_\_ language.

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1. The processes that keep track of all mobile hosts visiting area is  
a)Foreign Agent b)Home agent c)User agent d)None [ ]
2. The protocol used to fetch information on the internet is [ ]  
a)SMTP b)FTP c)UDP d)HTTP
3. The length of the TCP segment header is \_\_\_\_\_ [ ]  
a)8 byte b)9 byte c)21 byte d)22 byte
4. The length of UDP header is \_\_\_\_\_ [ ]  
a)8 byte b)9 byte c)21 byte d)22 byte
5. In \_\_\_\_\_ protocol e-mail is stored in server [ ]  
a)SMTP b)IMAP c)POP3 d)NONE
- 6.The field that is used to establish a connection in TCP \_\_\_\_\_ [ ]  
a) URG b)ACK c)SYN d)None
- 7.Probability density of ack arrival time is \_\_\_\_\_ in TCP [ ]  
a)More b)Less c)equal d)None
- 8.Multiple mail boxes are used in \_\_\_\_\_ protocol [ ]  
a)POP3 b)IMAP c)FTP d)None
- 9.Interface to allow server-talk-back-end programs and scripts [ ]  
a)GUI b)API c)CGI d)None
- 10.MP3 is based on \_\_\_\_\_ encoding [ ]  
a)Waveform b)Perceptual c)Both d)None.

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### **Fill in the blanks**

1. Which IP address class has few hosts per network? \_\_\_\_\_
2. Which is used to identify the name and address on the web? \_\_\_\_\_
3. While booting the system the IP address is \_\_\_\_\_
4. In distance vector routing algorithm, the routing tables are updated \_\_\_\_\_
5. In Hierarchical routing, the routers are divided into what is called as \_\_\_\_\_ -
6. In UDP transport protocol, to establish a connection it requires \_\_\_\_\_ ---
7. SMTP is used to transfer \_\_\_\_\_
8. The end points of a transport connection are called \_\_\_\_\_
9. The generic domain for nonprofit organizations is \_\_\_\_\_
10. The protocol used to fetch information on the internet is \_\_\_\_\_

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