



**Muzaffarpur Institute of Technology (MIT), Muzaffarpur**

(Under the Department of Science & Technology Govt. of Bihar, Patna)

**Department of Information Technology**

**Computer Network, Weekly Test – II**

Duration: 20 Minutes

Semester: 5

Max. Marks: 20

Q1. The 15.25.120.8 address lies in to class of IP address?

a) A	b) B
c) C	d) D

Q2. Classes A, B and C addresses are used for?

a) Multicasting	b) Broadcasting
c) Unicasting	d) All

Q3. Router operates in which layer of the OSI model?

a) Physical	b) Data Link
c) Network	d) Transport

Q4. A network administrator is connecting host A and B directly through their NIC, as shown in the illustration. Ping attempts between hosts are unsuccessful. What can be done to provide connectivity?



I. A cross over cable should be used in place of straight through cable.	a) I & II Both
II. A roll over cable should be used in place of straight through cable.	b) II & IV Both
III. The subnet mask should be set to 255.255.255.192.	c) I & V Both
IV. The default gateway should be set on each host.	d) I, III & IV
V. The subnet mask should be set to 255.255.255.0	e) I, IV & V

Q5. The network address 172.16.0.0/19 provides how many subnets and hosts?

a) 7 subnets and 2046 hosts on each	b) 8 subnets and 2026 hosts on each	c) 8 subnets and 8190 hosts each
d) 7 subnets and 30 hosts on each		

Q6. To test the IP stack on local host which IP address you would ping?

a) 192.168.0.1	b) 127.0.0.0	c) 127.0.0.1	d) 169.254.0.1
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Q7. DHCP is the abbreviation of?

a) Dynamic Host Confirmation Protocol	b) Dynamic Host Configuration Protocol
c) Digital Host Configuration Protocol	d) Dynamic Host Control Protocol

Q8. How many networks are possible in Class A and B respectively?

a) 2 <sup>8</sup> and 2 <sup>16</sup>	b) 2 <sup>7</sup> and 2 <sup>16</sup>	c) 2 <sup>7</sup> and 2 <sup>15</sup>	d) 2 <sup>7</sup> and 2 <sup>14</sup>
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Q9. Which two statements describes the IP address 10.5.4.35/22?

I. The subnet address is 10.5.4.0 and subnet mask 255.255.252.0	a) I & II Both
II. The lowest host address in the subnet is 10.5.4.1 with mask 255.255.252.0	b) I, II & III
III. The last valid address in the subnet is 10.5.4.254 with mask 255.255.252.0	c) I, II & IV
IV. The broadcast address of the subnet is 10.5.7.255	d) All

Q10. What does a router do in network?

a) Forwards a packet to all outgoing links	b) Forward a packet to the next free outgoing link
c) Determines on which outgoing link the packet is to be forwarded	d) Forwards a packet to all outgoing links except the originating link

<b>Your Answers:</b>		1.	2.	3.	4.	5.	6.	7.
8.	9.	10.						



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**Q1.** To test the IP stack on your local host, which IP address will you ping?

a) 127.0.0.0	b) 255.0.0.0
c) 1.0.0.127	d) 127.0.0.1

**Q2.** You need to subnet a network that has 5 subnets, each with at least 16 hosts. Which can be your choice?

e) 255.255.255.240	f) 255.255.255.224
g) 255.255.255.192	h) 255.255.255.248

**Q3.** What is the maximum number of IP addresses that can be assigned to hosts on a local subnet that uses the 255.255.255.192 subnet mask?

e) 32	f) 30
g) 62	h) 64

**Q4.** A network administrator is connecting host A and B directly through their NIC, as shown in the illustration. Ping attempts between hosts are unsuccessful. What can be done to provide connectivity?



VI. A cross over cable should be used in place of straight through cable.	f) I & II Both
VII. A roll over cable should be used in place of straight through cable.	g) II & IV Both
III. The subnet mask should be set to 255.255.255.192.	h) I & V Both
IX. The default gateway should be set on each host.	i) I, III & IV
X. The subnet mask should be set to 255.255.255.0	j) I, IV & V

**Q5.** What is firewall in computer network?

a) A physical boundary in the network	b) An OS in computer network	c) Web browsing software
d) A system designed to prevent unauthorized access to computer		

**Q6.** Identify which one of these addresses is assigned by APIPA process?

e) 192.168.0.1	f) 169.169.0.1	g) 169.254.0.2	h) 127.0.0.254
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**Q7.** Default subnet mask of class B?

e) 255.255.255.0	f) 255.255.0.0
g) 255.0.0.0	h) 255.255.255.255

**Q8.** The address size of IPV4 is?

a) 2 Bytes	b) 4 Bytes	c) 8 Bytes	d) 16 Bytes
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**Q9.** Your router has the following IP address on ethernet(NIC): 19.18.2.1/23. Which of the following can be valid host IDs on the LAN interface attached to the router?

I. 19.18.1.100	e) III only
II. 19.18.1.198	f) I & II both
III. 19.18.2.255	g) III and IV both
IV. 19.18.3.0	h) All

**Q10.** The addresses in a block of addresses must be?

a) Random	b) Continuous
c) Variable	d) NONE

<b>Your Answers:</b>	1.	2.	3.	4.	5.	6.	7.
8.	9.	10.					