

MIDDLE TEST C3G2

Notice: $x = 2$ last number of your own student's ID.

1. Describe and express models: OSI, TPC/IP; Compare these 2 models?
2. Specify IP class and translate into decimal notation (from binary notation):
 - 01111101.11110010.01010111.00101111
 - 10100011.01010100.11000100.10110001
 - 11011111.11001110.01101000.01110100
 - 11100101.01100011.11110000.00101011
 - 11110011.11100001.01010111.10111010
3. Specify the full form in decimal notion of the following abbreviated net masks:
 - a. /12, /10, /7
 - b. /16, /17, /19
 - c. /24, /25, /27
4. Specify broadcast IP address and IP host range of the folloing networks:
 - a. $x.0.0.0$
 - b. 172.16.0.0
 - c. $x+100.x.0.0$
5. Specify your network address: $192.x+120.0.0/18$. Devide into 4 subnets and fullfill the following table:

STT	Network IP	Subnet Mask	Broadcast IP	IP Host range
1				
2				
3				
4				

6. Specify your network address: $128+x.x.128.0/25$. Devide into 8 subnets and fullfill the following table:

STT	Network IP	Subnet Mask	Broadcast IP	IP Host range
1				
2				
3				
4				
5				
6				
7				
8				