Form Title: **ITN Chapter 6 Exam**

Form ID: **26646**

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| **Ordering** | **Item ID** | **Stem** | **Media Desc** |
| 18 | 206377 | Refer to the exhibit. Fill in the blank. A packet leaving PC-1 has to traverse [^blank1^] hops to reach PC-4.? | PC1 and PC2 are connected to  Switch 1 by Ethernet cables.  Switch 1 is also connected to Router A by an Ethernet cable. Router A is connected to Router B which in turn is connected to Router C by Ethernet cables.  Router C is also connected to Switch 2 by an Ethernet cable.  PC3 and PC4 are connected to Switch 2 by Ethernet cables. |
| 21 | 206417 | Refer to the exhibit. Match the packets with their destination IP address to the exiting interface on the router. | A "show ip route" command was issued on a router, the routing table is displayed as follows: <output omitted> Gateway of last resort is 0.0.0.0 to network 0.0.0.0      10.0.0.0/24 is subnetted, 1 subnets C       10.1.0.0 is directly connected, Serial0/0/0      172.17.0.0/24 is subnetted, 4 subnets O       172.17.6.0 [110/2] via 192.168.3.4, 00:10:41, FastEthernet0/0 O       172.17.10.0 [110/2] via 192.168.5.2, 00:09:52, FastEthernet1/1 O       172.17.12.0 [110/2] via 192.168.4.2, 00:12:23, FastEthernet1/0 C       172.17.14.0 is directly connected, FastEthernet0/1 C    192.168.3.0/24 is directly connected, FastEthernet0/0 C    192.168.4.0/24 is directly connected, FastEthernet1/0 C    192.168.5.0/24 is directly connected, FastEthernet1/1 S\*   0.0.0.0/0 is directly connected, Serial0/0/0 |
| 23 | 207018 | Open the PT Activity.  Perform the tasks in the activity instructions and then answer the question or complete the task.  Does the router have enough RAM and flash memory to support the new IOS? | Packet Tracer Activity |