

1 / 1 point

1. Among the following descriptions on IGP (Interior Gateway Protocol) and EGP (Exterior Gateway Protocol), which is incorrect?

- ☐ IGP categories include LS (Link-State) and DV (Distance-Vector) routing protocols
- ☒ IS-IS (Intermediate System to Intermediate System) is the BGP routing used between ASs
- ☐ iBGP (internal BGP) is the BGP routing used within an AS
- ☐ BGP4 routing path selection is based on network policies and administrator configured rule-sets



Correct

2. Among the following statements on BGP Security, which is incorrect?

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- ☒ BGP routers do not exchange information with each other to make the network heterogeneous in order to enhance the security level
- ☐ BGP security is used in authentication and protection against spoofed BGP messages and malware
- ☐ Routers of different ISPs may use different encryption and security schemes
- ☐ BGP security is a challenging issue because BGP Routers commonly belong to different ISPs (Internet Service Providers)

✓ Correct

3. Among the following descriptions on OSPF (Open Shortest Path First), which is incorrect?

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- ☐ In the Internet, OSPF is most commonly used for routing of IPv4, IPv6, and CIDR addressed packets
- ☐ The SPT setup from the OSPF protocol is a collection of minimum cost routing paths (using Dijkstra's algorithm) from a Source to each Destination node in the network
- ☒ OSPF uses the DV (Distance-Vector) routing protocol
- ☐ OSPF protocol results in a loop-free SPT (Shortest Path Tree) to be used for routing packets



Correct

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4. Among the following metrics, which is not an OSPF link cost factor?

- ☐ Number of hops to reach the destination
- ☐ Availability
- ☐ RTT (Round-Trip Time)
- ☐ Throughput
- ☐ Reliability
- ☐ Distance of a router
- ☒ Cost of the router

✓ Correct

5. Among the following router types, which is incorrect?

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- ☐ IR (Internal Router) is used when all routing interfaces belong to the same network area
- ☐ ABR (Area Border Router) is used to connect one or more subarea networks to the backbone network
- ☐ BR (Backbone Router) is used to connect to the backbone network
- ☒ ASBR (Autonomous System Boundary Router) is used to make connection from a host inside an AS to its Boundary Router at the edge of the AS

 Correct

6. Among the following descriptions on ARP (Address Resolution Protocol), which is incorrect?

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- ☐ IPv6 networks use NDP (Neighbor Discovery Protocol) for ARP functionality
- ☒ ARP parameter values are managed by the IETF (Internet Engineering Task Force)
- ☐ ARP can be used to map a computer's IPv4 address to its Ethernet MAC (Medium Access Control) address
- ☐ ARP maps an IPv4/IPv6 address to a device's DLL (Data Link Layer) address

 Correct

7. Among the following descriptions on NAT (Network Address Translation), which is incorrect?

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- ☐ One-to-Many NAT provides enhanced security
- ☐ One-to-One NAT is used in interconnection of two incompatibly addressed assigned IP networks
- ☒ One-to-Many NAT uses many IP addresses such that it has become one of the reason why IPv4 address space exhaustion has occurred
- ☐ One-to-Many NAT is also called IP Masquerading

 Correct

8. Among the following descriptions on RPC (Remote Procedure Call), which is incorrect?

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- ☐ RPC request and response procedures used 'Request' and 'Response' messages between the client and server computer
- ☒ RPC is used for long distance phone calls
- ☐ RPC needs recovery procedures to help overcome from unpredictable network problems
- ☐ RPC can enable programming on a remote computer as if it is a local computer




Correct



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9. Among the following descriptions on FTP (File Transfer Protocol), which is incorrect?

- ☐ FTP is used to transfer files from a server to a client computer
- ☐ FTP passive mode is used when the client is behind a firewall and cannot accept incoming TCP connections from the server
- ☐ FTP with TLS (Transport Layer Security) protection (FTPS) is commonly used
- ☒ FTP stream mode divides data into blocks and then uses compression to transfer data efficiently

 Correct

10. Among the following descriptions on e-mail, which is incorrect?

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- ☐ POP3 (Post Office Protocol version 3) can be used to move e-mails from the server onto your computer
- ☒ Compared to IMAP, POP3 is more popular due to its simple operation
- ☐ SMTP (Simple Mail Transfer Protocol) is used to send and receive e-mails between servers
- ☐ IMAP (Internet Message Access Protocol) enables a user e-mail account to be managed from multiple e-mail devices

 **Correct**