



Library
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BRAINWARE UNIVERSITY

Term End Examination 2023

Programme – B.Sc.(HN)-Hons-2018/B.Sc.(ANCS)-Hons-2020

Course Name – Windows Server Configuration/Windows Server Infrastructure

Course Code - BHN501/BNCSC502

(Semester V)

Full Marks : 60

Time : 2:30 Hours

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

Group-A

(Multiple Choice Type Question)

1 x 15=15

1. Choose the correct alternative from the following :

- (i) Determine which print sharing option minimizes resource utilization on the print server by forcing the print clients to perform the bulk of the print processing.
- | | |
|--|-------------------------------|
| a) Remote Print Job Processing | b) Local Print Job Processing |
| c) Render Print Jobs On Client Computers | d) Print Job Client Rendering |
- (ii) Conclude which of the statements are not true to classify VPN systems.
- | | |
|--|---|
| a) Protocols used for tunnelling the traffic | b) Whether VPNs are providing site-to-site or remote access connection |
| c) Securing the network from bots and malwares | d) Levels of security provided for sending and receiving data privately |
- (iii) Validate that using VPN, we can access _____
- | | |
|---|--|
| a) Access sites that are blocked geographically | b) Compromise other's system remotely |
| c) Hide our personal data in the cloud | d) Encrypts our local drive files while transferring |
- (iv) Decide that which of the following is NOT a prerequisite for WDS installation.
- | | |
|---|-----------------------------------|
| a) Domain controller | b) Properly configured DNS server |
| c) DHCP server with the appropriate DHCP pool | d) Internet connection |
- (v) A company's IT team would like to deploy a standardized Windows Server image to several machines on the network. Using Windows Deployment Services (WDS), which steps are adopted by the least amount of administrative effort.
- | | |
|--|---|
| a) Create a capture image on the WDS server. | b) Create a boot image of the WDS server. |
| c) Both are correct | d) None |
- (vi) What is DHCP snooping?
- | | |
|---|---|
| a) techniques applied to ensure the security of an existing DHCP infrastructure | b) encryption of the DHCP server requests |
|---|---|

- c) algorithm for DHCP
d) none of the mentioned
- (vii) Distinguish which of the following name server is not storing any type of zone database.
- a) Primary server
b) Secondary server
c) Caching server
d) None of these
- (viii) Identify the Function of WINS is
- a) Host name resolution
b) NetBIOS name resolution
c) FQDN resolution
d) None of the above
- (ix) Identify which command is used to take active directory backup in windows 2012 Server.
- a) DCPROMO
b) DSMODE
c) WBADMIN
d) DSMOVE
- (x) Match which logical port is used in Active directory.
- a) 56
b) 53
c) 3268
d) 67
- (xi) Predict the command is used to create active directory user.
- a) NSLOOKUP
b) NETDOM
c) DSADD
d) DSMOD
- (xii) Predict in which user profile, user cannot change profile settings.
- a) Local profile
b) Roaming profile
c) Mandatory profile
d) Restrict profile
- (xiii) Identify which of the following services of Active Directory is responsible for maintaining the replication topology.
- a) a. File Replication Service
b) b. Knowledge Consistency Checker
c) c. Windows Internet Name Service
d) d. Domain Name System
- (xiv) Explain DHCP snooping.
- a) techniques applied to ensure the security of an existing DHCP infrastructure
b) encryption of the DHCP server requests
c) algorithm for DHCP
d) none of the mentioned
- (xv) Deduce which of the following mechanisms is used most often in firewall rules to allow traffic onto the network.
- a) Hardware addresses
b) IP addresses
c) Protocol numbers
d) Port numbers

Group-B

(Short Answer Type Questions)

3 x 5=15

2. Explain the utility of DNS delegation. (3)
3. Explain the function of 'NSLOOKUP' command. (3)
4. Determine the relevance of Primary Zone of DNS. (3)
5. Analyse the influences of LDAP in Active Directory. (3)

OR

- Differentiate between intrasite replication and intersite replication. (3)

6. Justify importance of Start Of Authority (SOA) records of DNS.

OR

'Global Catalog Server plays an important role in a domain or forest' – justify your answer.

(3)

Group-C

(Long Answer Type Questions)

5 x 6=30

7. Describe the 'DNS Iterative Query' with a diagram.

(5)

8. 'Global Catalog Server plays an important role in a domain or forest' – Illustrate.

(5)

9. Write the characteristics of Distributed File System.

(5)

10. Compare - Forward Lookup Zone and Reverse Lookup Zone.

(5)

11. Explain the function of 'DHCPDECLINE' message.

(5)

OR

Differentiate between DHCP Server and MADCAP Server.

(5)

12. Evaluate the benefits of RODC for Active Directory administration.

(5)

OR

Justify why we transfer FSMO roles.

(5)
