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# BRAINWARE UNIVERSITY

Term End Examination 2022

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) A DNS client is defined as
- |                 |                      |
|-----------------|----------------------|
| a) DNS updater  | b) DNS handler       |
| c) DNS resolver | d) None of the above |
- (ii) What is the full form of WDS?
- |                             |                                |
|-----------------------------|--------------------------------|
| a) Windows Dynamic Services | b) Windows Deployment Services |
| c) Windows DNS Services     | d) Windows Developing Services |
- (iii) List the records that the DNS database contains
- |                                 |                      |
|---------------------------------|----------------------|
| a) Name server records          | b) Host name aliases |
| c) Host name to address records | d) All of the above  |
- (iv) Distinguish the function of LDAP.
- |                   |                                      |
|-------------------|--------------------------------------|
| a) Authentication | b) Contact active directory database |
| c) Accounting     | d) None of these                     |
- (v) Write down where the default group policy is stored in
- |                  |                          |
|------------------|--------------------------|
| a) SAM database  | b) Application partition |
| c) SYSVOL folder | d) NTDS.DIT              |
- (vi) Evaluate the maximum size of NTDS.DIT.
- |          |          |
|----------|----------|
| a) 4 TB  | b) 4 GB  |
| c) 16 GB | d) 16 TB |
- (vii) Determine what do domain controllers do.
- |   |   |
|---|---|
| a) Receive and relay domain commands                  | b) Not Listed   |
| c) Control granular settings in a domain environment. | d) Store the database, maintain the policies and provide the authentication of domain logons. |
- (viii) Classify how many FSMO roles exist in server 2012 AD structure.
- |      |      |
|------|------|
| a) 2 | b) 3 |
| c) 4 | d) 5 |
- (ix) Based on the company's requirement, you need to install the Remote Desktop Services server role on UC-SRV02 remotely from UC-SRV01. Which of the following will you

- apply?
- a) Set-NetIPInterface
  - b) dsadd.exe
  - c) RD Gateway Manager
  - d) Server Manager
- (x) Indicate which of the following is arranged in the correct Active Directory organizational order (largest to smallest).
- a) Forest, Tree, Domain, Computer
  - b) Forest, Tree, Computer, Domain
  - c) Tree, Forest, Domain, Computer
  - d) Computer, Forest, Domain, Tree
- (xi) A system administrator for an Active Directory environment that consists of three sites wants to configure site links to be transitive. Distinguish which of the following Active Directory objects is responsible for representing a transitive relationship between sites?
- a) Additional sites
  - b) Additional site links
  - c) Bridgehead servers
  - d) Bridgehead servers
- (xii) IP assigned for client by DHCP server is validate for
- a) For a limited period
  - b) Not time dependent
  - c) For a unlimited period
  - d) None of the above
- (xiii) Select which of the following TCP/IP parameters is typically deployed as a scope option in DHCP.
- a) DNS Server
  - b) Subnet Mask
  - c) Lease Duration
  - d) Default Gateway
- (xiv) One of your print devices is not working properly, so you want to temporarily prevent users from sending jobs to the printer serving that device. Justify that which of the following actions should you take.
- a) Stop sharing the printer.
  - b) Remove the printer from Active Directory
  - c) Change the printer port.
  - d) Rename the share.
- (xv) You want to publish a printer to Active Directory. Select where would you click in order to accomplish this task.
- a) The Sharing tab
  - b) The Advanced tab
  - c) The Device Settings tab
  - d) The Printing Preferences button

**Group-B**

(Short Answer Type Questions)

3 x 5=15

- 2. Explain the role of NTP server. (3)
- 3. Explain the role of Caching-only DNS. (3)
- 4. Examine whether the 'Split Brain' concept in DNS is really important or not. (3)
- 5. Write the purpose of using Inter-Site Topology Generator (ISTG). (3)

**OR**

How does the DNS delegation help the DNS operation? (3)

- 6. Compare and contrast - Peer to Peer and Client/Server Network. (3)

**OR**

Evaluate the merit of 'Stub Zone'. (3)

**Group-C**  
(Long Answer Type Questions)

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5 x 6=30

- 7. Explain the principle of Background Zone Loading. (5)
- 8. Define the advantages of DNS Forwarder. (5)
- 9. Explain the relevance of using VPN. (5)
- 10. Differentiate between IPCONFIG and IPCONFIG/ALL commands. (5)
- 11. Justify how the DHCP and WDS mutually dependent. (5)

**OR**

Evaluate the benefits of RODC for Active Directory administration. (5)

- 12. Analyse the role of ARP, when it helps the APIPA. (5)

**OR**

Evaluate the importance of 'IP-HELPER' command in DHCP. (5)

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