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Barasat, Kolkata -700125

BRAINWARE UNIVERSITY

Term End Examination 2024-2025

Programme – B.Sc.(ANCS)-Hons-2023

Course Name – Windows Server Administration

Course Code - BNC40110

(Semester IV)

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) Indicate the amount of hard disk space required to install Windows Server 2012 Datacenter Edition.
 - a) 32 GB
 - b) 1TB
 - c) 2TB
 - d) 100 GB
- (ii) Which Windows Server 2012 role is associated with virtualization?
 - a) Scope
 - b) Hyper-V
 - c) MBR
 - d) GPT
- (iii) Name the version of Windows that Microsoft adopted Kerberos as an authentication policy.
 - a) Windows NT
 - b) Windows 2000
 - c) Windows 2003
 - d) Windows 2008
- (iv) Select the following that stores for the NETLOGON service.
 - a) DNS Zone
 - b) SYSVOL
 - c) NTDS.DIT
 - d) MAIL.EDB
- (v) Match the default port number of DNS.
 - a) TCP 54
 - b) UDP 53
 - c) UDP 54
 - d) TCP 57
- (vi) Which command is associated with opening the DNS console?
 - a) NETDOM
 - b) IPCONFIG /REGISTERDNS
 - c) DNSMGMT.MSC
 - d) DCPROMO
- (vii) Select the command used by the client for DNS name registration purposes.
 - a) IPCONFIG/RENEWDNS
 - b) DNSREGISTER
 - c) DNSRENEW
 - d) IPCONFIG/REGISTERDNS
- (viii) To test whether a DNS server is answering queries properly, choose one of the following tools.

- a) ping
c) tracert
- b) nslookup
d) ipconfig
- (ix) Choose the command-line tools you use to join a computer to a domain.
- a) Net.exe
c) Netdom.exe
- b) Netsh.exe
d) Ipconfig.exe
- (x) Memorize the maximum size of NTDS.DIT.
- a) 16 TB
c) 2TB
- b) 8 TB
d) 4 TB
- (xi) Identify the most common record type in DNS.
- a) dnscmd.exe
c) Host (A) records
- b) Name records
d) None of these
- (xii) Write the program, listed below, that can be used to stop unauthorized use of DHCP Servers.
- a) PPP
c) Active Directory
- b) PGP
d) Cannot be done
- (xiii) For security reasons, you have decided that you must convert the system partition on your removable drive from the FAT32 file system to NTFS. Predict the correct option from the following steps that you must take in order to convert the file system.
- a) Run the command CONVERT /FS:NTFS from the command prompt.
c) Boot Windows Server 2008 R2 Setup from the installation CD-ROM and choose Rebuild File System.
- b) Rerun Windows Server 2008 R2 Setup and choose to convert the partition to NTFS during the reinstallation.
d) None of these
- (xiv) You want to publish a printer to Active Directory. Recognize the option that you would click in order to accomplish this task.
- a) The Sharing tab
c) The Device Settings tab
- b) The Advanced tab
d) The Printing Preferences button
- (xv) You are the network administrator for a Windows Server 2012 R2 network. You have multiple remote locations connected to your main office by slow satellite links. You want to install DNS into these offices so that clients can locate authoritative DNS servers in the main location. Select the correct type of DNS servers that should be installed in the remote locations.
- a) Primary DNS zones
c) Active Directory Integrated zones
- b) Secondary DNS zones
d) Stub zones

Group-B

(Short Answer Type Questions)

3 x 5=15

2. Describe the use of DNS Resolver. (3)
3. Why do you choose Active Directory Domain Service to manage your network? (3)
4. Define the minimum hardware requirements for installing Windows Server 2012. (3)
5. Explain why the Global Catalog Server and Infrastructure Master are not placed on the same domain controller. (3)
6. Predict the usefulness of virtual directory in a Web Server. (3)

OR

- Compare between DHCP exclusions and reservations. (3)

Group-C

(Long Answer Type Questions)

5 x 6=30

7. State the difference between Workgroup and Domain. (5)
8. Explain the domain namespace with a diagram. (5)

9. Global Catalog Server plays an important role in a domain or forest – Explain your answer. (5)
10. Evaluate the advantages of NTFS file system. (5)
11. Anticipate the importance of DHCP Relay Agent. (5)
12. Summarize the DHCP DORA process with diagram. (5)

OR

Assess the scenario of using DHCP scope and Superscope. (5)

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