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Library
Brainware University
398, Ramkrishnapur Road, Barasat
Kolkata, West Bengal-700125



BRAINWARE UNIVERSITY

Term End Examination 2025-2026

Programme – B.Sc.(ANCS)-Hons-2023/B.Sc.(ANCS)-Hons-2024

Course Name – Windows Server Administration

Course Code - BNC40110/BNC40105

(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) Identify the valid role for a Windows Server 2016 computer.
 - a) Stand-alone server
 - b) Member server
 - c) Domain controller
 - d) All of these
- (ii) 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
- (iii) Match the default port number of DNS.
 - a) TCP 54
 - b) UDP 53
 - c) UDP 54
 - d) TCP 57
- (iv) Identify the function of WINS.
 - a) Host name resolution
 - b) NetBIOS name resolution
 - c) FQDN resolution
 - d) None of these
- (v) To test whether a DNS server is answering queries properly, choose one of the following tools.
 - a) ping
 - b) nslookup
 - c) tracert
 - d) ipconfig
- (vi) Which command will you apply to display entries in DNS cache?
 - a) ipconfig /displaydns
 - b) ipconfig /flushdns
 - c) Normal DHCP Scope
 - d) ipconfig /registerdns
- (vii) Select the option that is not a valid Active Directory object.
 - a) User
 - b) Group
 - c) Hyper-V
 - d) Organizational Unit
- (viii) Which of the following will you not choose as a security principal?

- a) Users
c) Distribution groups
- b) Security groups
d) Computers
- (ix) Memorize the maximum size of NTDS.DIT.
a) 16 TB
c) 2TB
- b) 8 TB
d) 4 TB
- (x) Determine which DHCP option enables servers to oversee many physical networks.
a) Renewal
c) Rebinding
- b) Relay agents
d) Scopes
- (xi) Identify the default duration of a DHCP lease.
a) 7 days
c) 9 days
- b) 8 days
d) 10 days
- (xii) Define the purpose of DHCP authorization in Active Directory.
a) Prevent rogue DHCP servers
c) Encrypt IP packets
- b) Increase bandwidth
d) Enable firewall rules
- (xiii) Select which of the following is not a type of user account that can be configured in Windows Server 2016.
a) Local accounts
c) Network accounts
- b) Domain accounts
d) Built-in accounts
- (xiv) Identify the name of the Web Server, developed by Microsoft.
a) Apache Tomcat
c) Internet Information Services (IIS)
- b) Caudium
d) WEBrick
- (xv) Choose the proper reason to apply NTFS permissions.
a) It is used to control access to files and folders on NTFS volumes.
c) It is used to control access to files and folders on CD/DVDs.
- b) It is used to control access to files and folders on FAT volumes.
d) It is used to control access to files and folders on flash drives.

Group-B

(Short Answer Type Questions)

3 x 5=15

2. Summarize the function of HOST(A) and PTR records in DNS. (3)
3. Why do you prepare an Additional Domain Controller in a domain environment? (3)
4. Why do you apply NTFS permission to any network resources in Active Directory environment? (3)
5. Identify the demerits of APIPA. (3)
6. Prepare the "LSDOU" order of Group Policy inheritance. (3)

OR

Why is the Distributed File System recommended in file management? (3)

Group-C

(Long Answer Type Questions)

5 x 6=30

7. Explain the Group Policy and its significance in an Active Directory environment. (5)
8. Define any two services available in Windows server 2016. (5)
9. List any five types of DNS records. (5)
10. Illustrate the logical and physical structure of Active Directory. (5)
11. Analyze the responsibility of any 3 built-in group available in Windows Server 2016. (5)
12. Summarize the DHCP DORA process with diagram. (5)

OR

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