



Brainware University
Barasat, Kolkata - 700125

BRAINWARE UNIVERSITY

Term End Examination 2023-2024
Programme – M.Sc.(ANCS)-2023
Course Name – Windows Server Infrastructure
Course Code - MNCS104
(Semester I)

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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) Select the right one of the following that an Active Directory client uses to locate objects in another domain.
 - a) DNS
 - b) Global Catalog
 - c) DHCP
 - d) Site Link
 - (ii) Which group scope do you plan to use that can contain members of any domain and can be used for permission in any domain within a forest?
 - a) Global
 - b) Domain local
 - c) Built-in
 - d) Universal
 - (iii) Select the architecture that allows each computer to act as both a client and a server.
 - a) Peer-to-peer
 - b) Client/Server
 - c) Hybrid
 - d) Mainframe
 - (iv) Choose the number of group scopes that are available in Active Directory.
 - a) Three
 - b) Two
 - c) Ten
 - d) Five
 - (v) Identify the feature in Windows Server 2012 that provides virtualized storage.
 - a) Hyper-V
 - b) ReFS
 - c) Storage Spaces
 - d) Dynamic Access Control
 - (vi) Identify the following FSMO use to make a list of domains in an active directory environment.
 - a) PDC Emulator
 - b) RID master
 - c) Schema master
 - d) Domain naming master
 - (vii) What does ADDS stand for in Windows Server? Select the right one.
 - a) Active Directory Data Store
 - b) Advanced Domain Directory Service
 - c) Active Directory Domain Services
 - d) Application Domain Deployment System
 - (viii) Which edition of Windows Server 2012 is suitable for planning small businesses with up to 25 users?

- a) Windows Server 2012 Datacenter
c) Windows Server 2012 Standard
- (ix) Select the full form of 'FQDN' .
a) Fully Quality Domain Name
c) Fully Qualitative Domain Name
- (x) How would you express the full form of DNS?
a) Data Naming System
c) Domain Name System
- (xi) Choose the protocol that DNS primarily uses for communication.
a) HTTP
c) FTP
- (xii) Select the default port number for HTTPS.
a) 21
c) 23
- (xiii) How do you define what the Remote Desktop Connection client software allows users to do?
a) Secure remote access to servers
c) Access the internet through a remote connection
- (xiv) Which of the following server role will you test for hosting web applications?
a) Active Directory Domain Services
c) Network Policy and Access Services
- (xv) In DNS, evaluate the purpose of a reverse lookup zone.
a) It maps IP addresses to domain names
c) It provides authoritative information for top-level domains
- b) Windows Server 2012 Essentials
d) Windows Server 2012 Foundation
- b) Fully Qualified Domain Name
d) None of these
- b) Digital Network Server
d) Dynamic Naming Service
- b) TCP
d) UDP
- b) 80
d) 443
- b) Run virtualized applications
d) Initiate remote desktop sessions
- b) File and Storage Services
d) Web Server (IIS)
- b) It handles MX record queries
d) It maps IP addresses to hostnames

Group-B

(Short Answer Type Questions)

3 x 5=15

2. Discuss the use of Disk Quota in storage management. (3)
3. Define Network Load Balancing in context of server cluster. (3)
4. Explain the function of RID master role. (3)
5. Discover the purpose of Cache only DNS server. (3)
6. Explain the advantage of Dynamic Host Configuration Protocol in a network. (3)

OR

Explain the function of Active Directory Domain Service that improve network management. (3)

Group-C

(Long Answer Type Questions)

5 x 6=30

7. How would you compare between authentication and authorization? (5)
8. Briefly explain the Physical structure of ADDS. (5)
9. Explain the name resolution process with a diagram when a client sends a DNS query. (5)
10. How would you describe the use of DHCP reservation? (5)
11. How would you differentiate between RAID 5 and RAID 6? (5)
12. Briefly focus on the features of Routing and Remote Access Service. (5)

OR

Focus on the advantages of NTFS. (5)

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