



BRAINWARE UNIVERSITY

Programme – M.Sc.(ANCS)-2024

Course Name – Windows Server Infrastructure

Course Code - MNC10105

(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) State 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) Select the bootloader used by Windows Server 2012 for booting.
 - a) MS.SYS

b) BOOTMGR

c) GRUB

- d) IO.SYS
- (iii) Which Windows Server 2012 role is associated with virtualization?
 - a) Scope

b) Hyper-V

c) MBR

- d) GPT
- (iv) Select the name of the directory where Windows stores all the operating system modules it might need to install at a later time.
 - a) Windows

b) System32

c) bin

- d) WinSxS
- (v) 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
- (vi) Match the default port number of DNS.
 - a) TCP 54

b) UDP 53

c) UDP 54

- d) TCP 57
- (vii) To test whether a DNS server is answering queries properly, you can choose one of the following tools:
 - a) ping

b) nslookup

c) tracert

d) ipconfig

(viii)	Apply the command to backup Dns zone.				
	dnscmd /zonecopy dnscmd /zoneexport dnscmd /zoneexport dnscmd /zoneexport dnscmd /zonefile				
(ix)	Choose the zone type that best fits your needs to resolve the hostname to an IP address.				
	a) Child c) Reverse Lookup	b) Forward lookupd) PTR			
(x)	Which command you will apply to display entries in DNS cache.				
	a) ipconfig /displaydnsc) Normal DHCP Scope	b) ipconfig /flushdnsd) ipconfig /registerdn	ıs		
(xi)	our petwork consists of a single Active Directory domain. All domain controllers run				
	Windows Server 2008 R2. You need to reset the Directory Services Restore Mode (DSRM) password on a domain controller. What tool should you choose?				
	a) Active Directory Users and Computers	- X	Library	Library Brainware University 8, Ramkrishnapur Road, Barasal 8, Ramkrishnapur Road, 700125 Kolkata, West Bengal-700125	
(xii)	snap-in c) Local Users and Groups snap-in Select the two basic classes of Active Directory of	d) NTDSUTIL objects.	Brainward 398, Ramkrishnapur P 398, Ramkrishnapur P 401kata, West Ber		
, ,	a) Container	b) Leaf			
/viii\	c) Domain Choose the command that helps to open the Ac	d) Both Container and tive Directory user and			
(XIII)	management console.				
	a) DSA.MSC	b) Firewall.cpld) CIPHER			
c) LUSRMGR.MSC (xiv) Correlate the tool with the following option that is used to manage domain users and groups on Windows Server.					
	a) Active Directory Users and Computersc) Event Viewer	b) Computer Manager d) Task Manager	ment		
(xv)	(xv) Choose the proper reason to apply NTFS permissions.				
	 a) It is used to control access to files and folders on NTFS volumes. 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 CD/DVDs. 				
				nd	
Group-B					
(Short Answer Type Questions)				3 x 5=15	
2. Summarize the function of 'A' records and PTR record in DNS.				(3) (3)	
3. E	3. Explain the importance of standard primary DNS zone.				
4. Predict the relevance of a child domain and its advantages.5. You have an organization with 200 pcs. It is very tedeous to provide IP address in each pc				(3) (3)	
manually. Solve this problem by using DHCP server.				(3)	
6. E	xplain the use of DHCP reservation. OF	₹			
П	lustrate the basic use of FTP site.			(3)	
Group-C				r c=20	
(Long Answer Type Questions) 5 x 6				5 x 6=30	
	7. Define the terms Authentication and Authorization.				
8. Explain any two services available in Windows server 2012.9. Assess the relevance of having multiple active directory domains.				(5) (5)	
	9. Assess the relevance of naving multiple active directory domains. 10. Predict the usufulness of Active Directory Domain Service. (5)				

11. Justify the importance of the FSMO roles in a domain controller.

12. Justify the reason to integrate DHCP and DNS services.

OR

Speculate how can you host multiple websites on a single instance of IIS.

(5)

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