BRAINWARE UNIVERSITY

Term End Examination 2022
Programme – M.Sc.(ANCS)-2022
Course Name – Windows Server Infrastructure
Course Code - MNCS104
(Semester I)

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)   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

(iii)   Distinguish which of the following name server is not storing any type of zone database.

a) Primary server   b) Secondary server
c) Caching server   d) None of these

(iv)   Identify the Function of WINS is

a) Host name resolution   b) NetBIOS name resolution
c) FQDN resolution   d) None of the above

(v)   Which of the following command is applied by the client for DNS name registration purpose?

a) IPCONFIG/RENEWDNS   b) DNSREGISTER
c) DNSRENEW   d) IPCONFIG/REGISTERDNS

(vi)   Interprets which of the following subnet mask values would you use when configuring a TCP/IP client with an IPv4 address on the 172.16.32.0/19 network.

a) 255.224.0.0   b) 255.240.0.0
c) 255.255.224.0   d) 255.255.240.0

(vii)   Identify which command is used to take active directory backup in windows 2012 Server.

a) DCPROMO   b) DSMODE
c) WBADMIN   d) DSMOVE

(viii) Distinguish the function of LDAP.

a) Authentication   b) Contact active directory database
c) Accounting   d) None of these

(ix) TGT AND TGS is related to

a) Kerberos policy   b) Disk defragment
c) Dynamic volume   d) Security principle

(x) Evaluate the maximum size of NTDS.DIT.

a) 4 TB   b) 4 GB
c) 16 GB   d) 16 TB

(xi) Select which password is necessary to restore AD database.

a) AD is not restorable   b) AD Password
c) Administrator Password   d) DSRM Password

(xii) Consider which type of authentication is used in Active Directory.

a) RADIUS   b) IPSec
c) Kerberos   d) None of these

(xiii) Express which of the following server is by default Global Catalog Server.

a) Root Domain Controller   b) DNS Server
c) Member Server   d) Web Server

(xiv) Which one of the followings is responsible to validate for verification of authentication and authorization in domain?

a) Global Catalog Server   b) Kerberos
c) Infrastructure Master   d) PDC Emulator

(xv) Conclude that after an upgrade to Windows Server 2012, is it possible to uninstall Windows Server 2012 and revert back to the old operating system version.

a) Possible if Additional DC not connected   b) Possible if AD not installed
c) Yes Possible   d) Not possible

Group-B
(Short Answer Type Questions)   3 x 5=15

2. Write a short note on 'Disk Mirroring'.   (3)
3. Illustrate the features of Active Directory.   (3)
4. Illustrate the role of Kerberos authentication in a domain.   (3)
5. Write the difference between Workgroup and Domain.   (3)
6. Write the purpose of using a Bridgehead Server in a Site.   (3)

OR

Write the minimum hardware requirements for installing Windows 2012 Enterprise Server.   (3)

Group-C
(Long Answer Type Questions)   5 x 6=30

7. Write the characteristics of MBR.   (5)
8. Explain the role of NTDS.DIT.   (5)
9. Illustrate the lease renewal process in DHCP.   (5)
10. Differentiate between IPCONFIG and IPCONFIG/ALL commands.   (5)
11. Define the different editions of Windows Server 2012.   (5)
12. Justify how the DHCP and WDS mutually dependent.   (5)

OR

Justify why we transfer FSMO roles.   (5)

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