BRAINWARE UNIVERSITY

Course – MSc(HN)

Windows Server Infrastructure (MHN202)

(Semester – 2)

Time allotted: 3 Hours   **Full Marks: 70**

[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 Questions)   10 x 1 = 10

1. *Choose the correct alternative from the following :*

(i) The zone, where ADDS and DNS are configured in the same system, is called

     a. Primary Zone   b. Active Directory Integrated Zone

     c. Secondary Zone   d. Stub Zone

(ii) Which of the following are the default DHCP port number?

     a. TCP 67 & 68   b. UDP 66 & 67

     c. TCP 66 & 67   d. UDP 67 & 68

(iii) Which of the following is correct?

     a. NTDS is stored in FAT32   b. NTDS is stored in NTFS

     c. NTDS is stored in FAT32 & NTFS both   d. None of these

(iv) Maximum how many disks can be connected in spanned volume?

     a. 3   b. 8

     c. 32   d. 10

(v) BOOTP converts

     a. Unicast to broadcast   b. Broadcast to unicast

     c. Broadcast to multicast   d. Multicast to unicast

(vi) Which of the following command is used to update manually the client IP address to a DNS Server?

     a. IPCONFIG/RENEW   b. IPCONFIG/FLUSHDNS

     c. IPCONFIG/REGISTERDNS   d. None of these

(vii) The port number of LDAP is

     a. 389   b. 80

     c. 67   d. 68

(viii) Which of the following is used for multimaster replication of Active Directory in multiple domain controllers?

    a. File Replication Service   b. NTREPL

    c. COPY   d. None of these

(ix) How many maximum number of primary partition is supported by GPT?

    a. 128   b. 127

    c. 32   d. 4

(x) Default lease period of IP address for DHCP client in Windows Server 2012 Datacenter Edition is

    a. 4 days   b. 4 months

    c. 8 days   d. 8 months

Group – B

(Short Answer Type Questions)   3 x 5 = 15

Answer any *three* from the following :

2.   'DNS uses both UDP and TCP' – justify your answer.   [5]
3. (a)   What are the demerits of BOOTP?   [3]
    (b)   What is MADCAP Server?   [2]
4. (a)   Write the implication of 'Secure and nonsecure dynamic updates' in DNS.   [3]
    (b)   What is 'Disk defragmentation'?   [2]
5.   Why do you require the 'activation' of DHCP scope?   [5]
6.   What is the role of 'Exclusion Range' in DHCP Server?   [5]

Group – C

(Long Answer Type Questions)   3 x 15 = 45

Answer any *three* from the following :

7. (a)   Discuss briefly about the 'DHCP Scope Balancing'.   [8]
    (b)   What is the role of ADCS?   [2]
    (c)   Why do you require DNS integration with DHCP?   [5]
8.   Illustrate the 'Operation Master Role' of Active Directory.   [15]

9. (a) What is the importance of 'Authorization' of DHCP Server in Active Directory? [5]
   (b) How many scopes are in DHCP Server configuration? Discuss in short. [5]
   (c) List the benefits of using DHCP. [5]
10. (a) What is 'Web Server'? [2]
   (b) How does a 'DHCP Relay Agent' function? [8]
   (c) Briefly explain how the active directory authentication works. [5]
11. (a) List the uses of NTDSUTIL command. [5]
   (b) Where is the Active Directory database hold and how would you create a backup of that database? [5]
   (c) What are the differences between WINS and DNS? [5]