BRAINWARE UNIVERSITY

Term End Examination 2018 - 19

Programme – Master of Science in Hardware & Networking

Course Name – Network Infrastructure Design

Course Code – MHN302A

(Semester – 3)

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 Question)   10 x 1 = 10

1. *Choose the correct alternative from the following*

(i)   Which command is responsible to monitor about active directory replication?

    a. REPLEMON   b. Rep admin

    c. WBadmin   d. None of the above

(ii)   DNS stub zone stored contains

    a. Glue host record   b. RPC record

    c. SRV record   d. PTR record

(iii) What is the default port number of FTP?

    a. 21   b. 20

    c. 80   d. Both of a and b

(iv)   Which command used for active directory user modification?

    a. DCPROMO   b. DSGET

    c. DSMODE   d. DSMOVE

(v) Which of the following command is used to query FSMO?

    a. NSLOOKUP   b. NETDOM

    c. DSADD   d. DSMOD

(vi) What is the default port number of HTTP is?

    a. 10   b. 8080

    c. 80   d. None of the above

(vii) Which types of authentication is used in Active directory?

    a. NTLM   b. Kerberos authentication

    c. Radius authentication   d. None of these

(viii) What is disadvantage of NAT?

    a. Conserves the legally Registered addresses   b. Loss of end to end IP traceability

    c. Eliminates address renumbering as network changes   d. None of the above

(ix) Which type service provided by the DNS?

    a. Name Resolution   b. Provide logical name space

    c. APIPA   d. Both of a and b

(x) PPP is related to

    a. Wi-Fi service   b. VPN service

    c. Dial up service   d. Demand dial service

Group – B

(Short Answer Type Questions)   3 x 5 = 15

Answer any *three* from the following.

2. What is the concept of External trust?   [5]
3. Define Demand dial connection.   [5]
4. What is the concept of Active directory integrated DNS?   [5]
5. Differentiate PPP and PPTP.   [5]
6. What is the importance of NAT?   [5]

Group – C

(Long Answer Type Questions)   3 x 15 = 45

Answer any *three* from the following

7.	(a)	Discuss about DNS Name server records.	[5]
	(b)	Discuss about the Domain policy.	[5]
	(c)	Differentiate between VPN and Dial up service.	[5]
8.	(a)	Compare and contrast between Static NAT and Dynamic NAT.	[5]
	(b)	Discuss about the domain name space.	[10]
9.	(a)	Differentiate ACL and DACL.	[5]
	(b)	How does the Kerberos authentication play an important role in domain?	[10]
10.	(a)	Discuss about the 'Active Directory Integrated Zone'.	[5]
	(b)	What do you mean by Active directory objects?	[5]
	(c)	How does the Global Catalog Server function?	[5]
11.	(a)	What is the concept of DDNS?	[5]
	(b)	Why global catalog and infrastructure master roles cannot be configure in a same domain?	[5]
	(c)	What is the concept of authoritative name sever?	[5]