

# MULTIPLE CHOICE QUESTIONS IN DATA COMMUNICATIONS AND NETWORKING

## A Complete Chapter Quiz

### Domain Name System

Compilation of all the quizzes (MCQs) for each and every chapters in the book of Data Communications and Networking 4th Edition by Behrouz A. Forouzan.

1. A full domain name is a sequence of labels separated by \_\_\_\_\_.

A) semicolons

**B) dots**

C) colons

D) none of the above

2. A \_\_\_\_\_ server loads all information from the primary server.

A) primary

**B) secondary**

C) zone

D) none of the above

3. The first level in the generic domains section allows \_\_\_\_\_ possible labels.

A) 10

B) 12

C) 16

**D) none of the above**

4. If a label is not terminated by a null string, it is called a \_\_\_\_\_.

**A) PQDN**

B) FQDN

C) SQDN

D) none of the above

5. What a server is responsible for or has authority over is called a \_\_\_\_\_.

A) domain

B) label

**C) zone**

D) none of the above

6. DNS can use the services of \_\_\_\_\_ using the well-known port 53.

A) UDP

B) TCP

**C) either (a) or (b)**

D) none of the above

7. In the domain name chal.atc.fhda.edu, \_\_\_\_\_ is the most specific label.

**A) chal**

B) atc

C) fhda

D) none of the above

8. The root of the DNS tree is \_\_\_\_\_.

A) a string of characters

B) a string of 63 characters

**C) an empty string**

D) none of the above

9. When the secondary downloads information from the primary, it is called \_\_\_\_\_ transfer.

A) domain

**B) zone**

C) label

D) none of the above

10. A \_\_\_\_\_ is a server whose zone consists of the whole tree.

A) domain server

B) zone server

**C) root server**

D) none of the above

11. A pointer query involves the \_\_\_\_\_ domain.

**A) inverse**

B) reverse

C) root

D) none of the above

12. Each node in the tree has a \_\_\_\_\_, which is a string with a maximum of \_\_\_\_\_ characters.

A) label; 127

B) name; 255

**C) label; 63**

D) none of the above

13. To have a hierarchical name space, a \_\_\_\_\_ was designed.

A) domain space

- B) domain name  
 C) domain name space  
 D) none of the above
14. The \_\_\_\_\_ domains define registered hosts according to their generic behavior.  
 A) generic  
 B) country  
 C) inverse  
 D) none of the above
15. In a \_\_\_\_\_ name space, each name is made of several parts.  
 A) flat  
 B) hierarchical  
 C) organized  
 D) none of the above
16. In a \_\_\_\_\_ name space, a name is assigned to an address. A name in this space is a sequence of characters without structure.  
 A) flat  
 B) hierarchical  
 C) organized  
 D) Connection-Oriented
17. The \_\_\_\_\_ domain is used to map an address to a name.  
 A) generic  
 B) country  
 C) inverse  
 D) none of the above
18. The \_\_\_\_\_ domain section uses two-character country abbreviations.  
 A) generic  
 B) country  
 C) inverse  
 D) Bandwidth
19. A \_\_\_\_\_ is a subtree of the domain name space.  
 A) label  
 B) name  
 C) domain  
 D) none of the above
20. In the DNS, the names are defined in \_\_\_\_\_ structure.  
 A) a linear list  
 B) an inverted-tree  
 C) a graph  
 D) none of the above
21. If a label is terminated by a null string, it is called a \_\_\_\_\_.  
 A) PQDN  
 B) FQDN  
 C) SQDN  
 D) none of the above
22. In the Internet, the domain name space (tree) is divided into \_\_\_\_\_ different sections:  
 A) three  
 B) two  
 C) four  
 D) none of the above
23. In \_\_\_\_\_ resolution, the server returns the IP address of the server that it thinks can resolve the query.  
 A) iterative  
 B) recursive  
 C) straight  
 D) none of the above
24. In the domain name chal.atc.fhda.edu, \_\_\_\_\_ is the least specific label.  
 A) chal  
 B) atc  
 C) edu

- D) none of the above
25. A host with the domain name pit.arc.nasa.gov. is on the \_\_\_\_\_ level of the DNS hierarchical tree. (The root is level one.)
- A) third
  - B) fourth
  - C) fifth
  - D) none of the above
26. In \_\_\_\_\_ resolution, the resolver expects the server to supply the final answer.
- A) iterative
  - B) recursive
  - C) straight
  - D) none of the above
27. A \_\_\_\_\_ server loads all information from the disk file.
- A) primary
  - B) secondary
  - C) zone
  - D) none of the above