All the Multiple Choice Question and Answer (MCQs) have been compiled from the books of Data Communication and Networking by the well known author behrouz A forouzan.

This Data Communication and Networking – **Domain Name System** multiple choice Questions and Answers (MCQ) PDF covers the below lists of topics.

1. DNS client Multiple Choice Question and Answer.
2. Recursive resolution Multiple Choice Question and Answer.
3. Iterative resolution Multiple Choice Question and Answer.
4. Fully qualified Domain name (FQDN) Multiple Choice Question and Answer.
5. Partially qualified domain name (PQDN) Multiple Choice Question and Answer.
6. DNS messages Multiple Choice Question and Answer.
7. DNS records Multiple Choice Question and Answer.
8. Dynamic DNS (DDNS) Multiple Choice Question and Answer.

**Practice now to sharpen your concept.**

1. 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. none of the above

2. In a ________name space, each name is made of several parts.
   A. flat
   B. hierarchical
C. organized
D. none of the above

3. To have a hierarchical name space, a _____________ was designed.
   A. domain space
   B. domain name
   C. domain name space
   D. none of the above

4. 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

5. 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

6. 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
7. A full domain name is a sequence of labels separated by _______.
   A. semicolons
   B. dots
   C. colons
   D. none of the above

8. If a label is terminated by a null string, it is called a ________.
   A. PQDN
   B. FQDN
   C. SQDN
   D. none of the above

9. 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

10. A ________ is a subtree of the domain name space.
    A. label
    B. name
    C. domain
    D. none of the above

Answer key for MCQ SET- 1

| Q-1 | Correct Answer : flat |
| Q-2 | Correct Answer : hierarchical |
Domain Name System multiple choice questions and answers MCQ Set-2

1. What a server is responsible for or has authority over is called a _______.
   A. domain
   B. label
   C. zone
   D. none of the above

2. 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

3. A _______ server loads all information from the disk file
   A. primary
   B. secondary
   C. zone
   D. none of the above
4. A _______ server loads all information from the primary server.
   A. primary
   B. secondary
   C. zone
   D. none of the above

5. When the secondary downloads information from the primary, it is called ______ transfer
   A. domain
   B. zone
   C. label
   D. none of the above

6. In the Internet, the domain name space (tree) is divided into ______ different sections
   A. three
   B. two
   C. four
   D. none of the above

7. The _______ domains define registered hosts according to their generic behavior.
   A. generic
   B. country
   C. inverse
   D. none of the above
8. The first level in the generic domains section allows ______ possible labels
   A. 10
   B. 12
   C. 16
   D. none of the above

9. The ________ domain section uses two-character country abbreviations
   A. generic
   B. country
   C. inverse
   D. none of the above

10. The _______ domain is used to map an address to a name.
    A. generic
    B. country
    C. inverse
    D. none of the above

Answer key for MCQ SET- 2

<p>| Q-1  | Correct Answer :zone          |
| Q-2  | Correct Answer :root server    |
| Q-3  | Correct Answer :primary        |
| Q-4  | Correct Answer :secondary      |
| Q-5  | Correct Answer :zone           |
| Q-6  | Correct Answer :three          |
| Q-7  | Correct Answer :generic        |</p>
<table>
<thead>
<tr>
<th>Question</th>
<th>Correct Answer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Q-8</td>
<td>none of the above</td>
</tr>
<tr>
<td>Q-9</td>
<td>country</td>
</tr>
<tr>
<td>Q-10</td>
<td>inverse</td>
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**Domain Name System multiple choice questions and answers MCQ Set-3**

1. In ______ resolution, the resolver expects the server to supply the final answer
   - A. iterative
   - B. recursive
   - C. straight
   - D. none of the above

2. 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

3. In the domain name chal.atc.fhda.edu, ______ is the least specific label.
   - A. chal
   - B. atc
   - C. edu
   - D. none of the above
4. In the domain name chal.atc.fhda.edu, _______ is the most specific label
   A. chal
   B. atc
   C. fhda
   D. none of the above

5. 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

6. A pointer query involves the _______ domain
   A. inverse
   B. reverse
   C. root
   D. none of the above

7. 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

Answer key for MCQ SET- 3

| Q-1 | Correct Answer : recursive |
| Q-2 | Correct Answer : iterative |
| Q-3 | Correct Answer : edu     |
| Q-4 | Correct Answer : chal    |
| Q-5 | Correct Answer : fifth   |
| Q-6 | Correct Answer : inverse |
| Q-7 | Correct Answer : either (a) or (b) |
| Q-8 |                           |
| Q-9 |                           |
| Q-10|                           |