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 – Network Management: SNMP multiple choice Questions and Answers (MCQ) PDF covers the below lists of topics.

1. Real-time Transport Control Protocol (RTCP) Multiple Choice Question and Answer.
2. Time Transport Protocol (RTP) Multiple Choice Question and Answer.
4. Voice over IP Multiple Choice Question and Answer.
5. Session Initiation Protocol (SIP) Multiple Choice Question and Answer.

Practice now to sharpen your concept.

1. SNMP defines the _________________ to be sent from a manager to an agent and vice versa.
   A. format of the packets
   B. encoding of the packets
   C. number of packets
   D. none of the above

2. A manager is a host that runs the SNMP _______ process.
   A. client
   B. server
   C. both a and b
D. none of the above

3. An agent is a host or computer that runs the SNMP _______ process  
   A. client  
   B. server  
   C. both a and b  
   D. none of the above

4. SNMP uses two other protocols: _______ and _______  
   A. MIB; SMTP  
   B. SMI; MIB  
   C. FTP; SMI  
   D. none of the above

5. _______ defines the general rules for naming objects, defining object types, and showing how to encode objects and values.  
   A. MIB  
   B. BER  
   C. SMI  
   D. none of the above

6. We can compare the task of network management to the task of writing a program. Both tasks need rules. In network management this is handled by _______.  
   A. SMNP  
   B. MIB  
   C. SMI  
   D. none of the above
7. We can compare the task of network management to the task of writing a program. Both tasks need variable declarations. In network management this is handled by _______.
   A. SMNP
   B. MIB
   C. SMI
   D. none of the above

8. We can compare the task of network management to the task of writing a program. Both tasks have actions performed by statements. In network management this is handled by _______.
   A. SMNP
   B. MIB
   C. SMI
   D. none of the above

9. SMI emphasizes three attributes to handle an object: _____, _____, and _______.
   A. name; data type; size
   B. name; size; encoding method
   C. name; data type; encoding method
   D. none of the above

10. To name objects globally, SMI uses an object identifier, which is a hierarchical identifier based on a _______ structure
    A. linear
    B. tree
    C. graph
    D. none of the above
| Q-1 | Correct Answer: format of the packets |
| Q-2 | Correct Answer: client |
| Q-3 | Correct Answer: server |
| Q-4 | Correct Answer: SMI; MIB |
| Q-5 | Correct Answer: SMI |
| Q-6 | Correct Answer: SMI |
| Q-7 | Correct Answer: MIB |
| Q-8 | Correct Answer: SMNP |
| Q-9 | Correct Answer: name; data type; encoding method |
| Q-10 | Correct Answer: tree |

Network Management multiple choice questions and answers MCQ Set-2

1. All objects managed by SNMP are given an object identifier. The object identifier always starts with _______
   A. 1.3.6.1.2.1
   B. 1.3.6.1.2.2
   C. 1.3.6.1.2.3
   D. none of the above

2. To define the data type, SMI uses fundamental _______ definitions and adds some new definitions.
   A. AMS.1
   B. ASN.1
3. SMI has two broad categories of data type: _______ and _______
   A. simple; complex
   B. simple; structured
   C. structured; unstructured
   D. none of the above

4. The _______ data types are atomic data types
   A. structure
   B. simple
   C. both a and b
   D. none of the above

5. SMI defines two structured data types: _______ and _______
   A. sequence; atomic
   B. sequence; sequence of
   C. a sequence of; array
   D. none of the above

6. SMI uses another standard, __________, to encode data to be transmitted over the network
   A. MIB
   B. ANS.1
   C. BER
   D. none of the above
7. The _______ ordering enables a manager to access a set of variables one after another by defining the first variable.
   A. lexicographic
   B. linear
   C. non-linear
   D. none of the above

8. The GetRequest PDU is sent from the ______ to the _______ to retrieve the value of a variable or a set of variables
   A. client; server
   B. server; client
   C. server; network
   D. none of the above

9. The Response PDU is sent from the ______ to the _______ in response to GetRequest or GetNextRequest
   A. server; client
   B. client; server
   C. network; host
   D. none of the above

10. The Trap PDU is sent from the ______ to the _______ to report an event
    A. server; client
    B. client; server
    C. network; host
    D. none of the above
Network Management multiple choice questions and answers MCQ Set-3

1. SNMP uses the services of UDP on two well-known ports, and
   A. 161; 162
   B. 160; 161
   C. 160; 162
   D. none of the above

2. _______ runs the SNMP client program; _______ runs the SNMP server program.
   A. A manager; a manager
   B. An agent; an agent
   C. A manager; an agent
   D. An agent; a manager
3. INTEGER, OCTET STRING, and ObjectIdentifier are ______ definitions used by SMI.
   A. MIB
   B. SNMP
   C. ASN.1
   D. none of the above

4. Which of the following could be a legitimate MIB object identifier?
   A. 1.3.6.1.2.1.1
   B. 1.3.6.1.2.2.1
   C. 2.3.6.1.2.1.2
   D. none of the above

5. Which is a manager duty?
   A. Retrieve the value of an object defined in an agent
   B. Store the value of an object defined in an agent
   C. a and b
   D. none of the above

6. For a 1-byte length field, what is the maximum value for the data length?
   A. 127
   B. 128
   C. 255
   D. none of the above
7. An object id defines a _______. Add a zero suffix to define the _______.
   A. variable; table
   B. table; variable
   C. variable; variable contents
   D. none of the above

8. An SNMP agent can send _______ messages
   A. GetRequest
   B. SetRequest
   C. Trap
   D. none of the above

9. An SNMP agent can send _______ messages
   A. Response
   B. GetRequest
   C. SetRequest
   D. none of the above

10. The _______ field in the SNMP PDU is an offset that points to the variable in error
    A. community
    B. enterprise
    C. error index
    D. none of the above

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<th>Answer key for MCQ SET-3</th>
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<td>Q-1 Correct Answer: 161; 162</td>
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<td>Q-2 Correct Answer: A manager; an agent</td>
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