

Multiple Choice Questions on NMS, EMS & SNMP

By

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Q1. An SNMP message has which of the following format (in order):

- A. Community Name, Version Number, SNMP PDUs
- B. Version Number, Community Name, SNMP PDUs
- C. SNMP PDUs, Version Number, Community Name
- D. Version Number, SNMP PDUs, Community Name

Q2. SNMP agents are:

- A. Management devices
- B. NMS (Network Management Stations)
- C. Network devices such as routers, switches, or hubs.
- D. PDUs

Q3. What does AVC stand for?

- A. Asynchronous Variable Counter
- B. Attribute Value Change
- C. Asynchronous Value Change
- D. Attribute Variation Counter

Q4. What is the authentication protocol used by the User Security Model (USM) in SNMPv3?

- A. HMAC-MD5
- B. HMAC-SHA
- C. Both
- D. None of these

Q5. What are the goals of performance management in FCAPS?

- A. System turn-up, network provisioning, auto discovery, back up and restore, database handling
- B. Trend Analysis and Capacity Planning, Billing, Auditing, Cost Allocation
- C. Collect data, analyze data, set thresholds, make changes, test changes.
- D. Identify, isolate, correct, test and record

Q6. _____ is concerned with initializing and gracefully shutting down networking elements and networks.

- A. Configuration Management
- B. Security Management
- C. Network Management System
- D. Management Application

Q7. Which of the following is/are true?

- a) Manager sends a query to Agent with destination port 162
 - b) Agent listens to Manager in port 161
 - c) Manager sends a query to Agent with destination port 161
 - d) Agent **listens** to Manager in port 162
- A. A and D only
 - B. B and C only
 - C. B and D only
 - D. C only

Q8. Which of the following is NOT used by Manager to communicate to Agent?

- A. SNMP
- B. CORBA
- C. XML
- D. None of the above

Q9. NMS is exposed to complete management information content of all the NEs in its domain.

- A. True
- B. False

Q10. (i) Cold start trap indicates agent is booting

(ii) Warm start trap indicates agent is rebooting

Which of the following is true?

- A. Only (i)
- B. Only (ii)
- C. Both A and B
- D. None

Q11. Rearrange in proper order, according to how a NMS interacts with NE

- A. NE, Agent, MIB, Management Interface, Management Applications
- B. NE, MIB, Management Interface, Agent, Management Applications
- C. NE, MIB, Agent, Management Interface, Management Applications
- D. NE, Agent, Management Interface, MIB, Management Applications

Q12. SNMP always uses UDP.

- A. True
- B. False

Q13. What are the possible errors with SNMP Get operation?

- A. noSuchName, tooBig, genErr
- B. noSuchName, badValue, tooBig, genErr
- C. noSuchName, badValue, genErr
- D. noSuchName, badValue, genErr

Q14. (i) TCP

(ii) UDP

(iii) IP

SNMP implements which of the above protocols?

- A. (i) and (ii)
- B. (i) and (iii)
- C. (ii) and (iii)
- D. (i), (ii) and (iii)

Q15. Element Management System (EMS) manages all the features of NE individually as well as the communication between NEs.

- A. True
- B. False

Answers:

1. B
2. C
3. B
4. C
5. C
6. A
7. B
8. D
9. B
10. D
11. C
12. B
13. A
14. C
15. B

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