

642-642 CCIP IP Communications Cisco Quality of Service (QoS)

Practice Exam: 642-642 Exams

Exam Number/Code: 642-642

Exam Name: Quality of Service (QoS)

Questions and Answers: 181 Q&As

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Exam : Cisco 642-642

Title : Quality of Service (QoS)

1. As a candidate for CCVP exam, can you tell me what does a router base its opinion of how much bandwidth is available to a queuing tool on a serial interface?

- A. The bandwidth command is required before a queuing tool knows how much bandwidth is available.
- B. The automatically-sensed physical transmission rate on the serial interface.
- C. The clock rate command is required before a queuing tool knows how much bandwidth is available.
- D. Defaults to T1 speed, unless the bandwidth command has been configured.

Answer: D

2. The "show ip nbar protocol-discovery" command is entered on the SF router but no NBMR traffic statistics outputs are being displayed. What can solve this problem?

- A. Configure the "ip nbar protocol-discovery" command within the fa0/0 interface configuration mode.
- B. Configure the "ip nbar pdlm" command within the global configuration mode.
- C. Configure the "ip nbar protocol-discovery" command within the test-in policy-map configuration mode.
- D. Configure the "ip nbar protocol-discovery" command within the global configuration mode.

Answer: A

3. For the following options, which of the following components of delay varies based on the varying sizes of packets sent through the network?

- A. Codec delay
- B. Serialization delay
- C. Queuing delay
- D. Propagation delay

Answer: B

4. Based on the understanding of QoS Policy, Which of the following are not one of the major planning steps when implementing QoS Policies?

- A. Define QoS policies for each class
- B. Identify traffic and its requirements
- C. Mark traffic as close to the source as possible
- D. Divide traffic into classes

Answer: C

5. Part of the configuration information on a router displays as follows:

On the basis of the configuration, which two statements are correct? (Choose two.)

- A. If the interactive traffic class exceeds an average rate of 256 kbps, the traffic rate will be throttled down to 128 kbps.
- B. The interactive traffic class will have a minimum bandwidth guarantee of 256 kbps.
- C. The interactive traffic class will have a maximum bandwidth guarantee of 256 kbps.
- D. This configuration allows class-based traffic shaping to lower the traffic rate in response to the BECN bit.

12. The FRF.12 specification describes the method of fragmenting Frame Relay frames into smaller frames. Refer to the following technologies, which one is required when configuring FRF.12 on a Cisco device?

- A. FRF.8
- B. VoFR
- C. MLP with interleaving
- D. FRF11.c
- E. FRTS

Answer: E

13. The following commands have been configured under the fa0/1 interface on the 2950 switch:

Voice traffic from the IP phone that is directly connected to the fa0/1 interface is experiencing excessive delays. On the basis of the configuration, what would most likely cause this problem?

- A. The default cos-to-dscp map is being used.
- B. The default wrr-queue cos-map is being used.
- C. The default dscp-to-cos map is being used.
- D. The wrr-queue bandwidth weightings are not correct.

Answer: B

14. For the following statements about packet loss, which of the following is the most likely reason for packet loss in a typical network?

- A. Jitter thresholds being exceeded
- B. TCP flush messages as a result of Round-Trip Times varying wildly
- C. Tail drops when queues fill
- D. Bit errors during transmission

Answer: C

15. On the basis of the deep understanding of voice and video traffic .Which of the following are true statements of both Voice and Video conferencing traffic?(choose two)

- A. All packets in a single call or conference are a of single size
- B. Traffic is isochronous
- C. Sensitive to delay
- D. Sensitive to jitter

Answer: CD

16. The following is part of VoIP network topology of TestInside. Study the exhibit carefully. A typical configuration involving an IP phone with an attached PC is shown. According to QoS recommendations, at which demarcation line (shown as dotted lines) would the trust boundary normally exist?

- A. C
- B. B
- C. D
- D. A

Answer: B

17. SLA(Service-Level Agreement) is a contract between a network service provider and a customer, which usually defines such terms as the type of service, the quality of service and the customer's payment. In an unmanaged CE router implementation, how does the service provider enforce the SLA?

- A. by using class-based policing on the CE to PE link to limit the customer's input rate
- B. by using class-based random discard on the CE to PE link to limit the customer's input rate
- C. by marking on the CE to PE link and using CBWFQ and CB-WRED on the PE to P link
- D. by marking on the CE to PE link and using class-based policing on the PE to P link

Answer: A

18. Which statement best describes the peer-to-peer traffic (Napster and Kazaa2) going out on the interface s0/0 on

