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Exam : 644-068

**Title : Advanced Routing and
Switching for Field
Engineers – ARSFE**

Version : Demo

1.Which three of the following are major trends that fuel the demand for routing and switching? (Choose three.)

- A. Mobility
- B. Video
- C. Bandwidth optimization
- D. Cloud
- E. IT standardization

Answer: A,B,D

2.Which two of the following examples best describe the challenges that customers face in today's networks? (Choose two.)

- A. How do we control energy consumption of devices owned by employees?
- B. How can we support telepresence?
- C. How can we consolidate different datacenters?
- D. Which type of firewall should we deploy?

Answer: B,C

3.Which two of the following statements correctly describe Cisco Catalyst Medianet capabilities? (Choose two.)?

- A. Bandwidth for video conferences can be reduced by utilizing the Cisco Catalyst built-in DSPs for local video MCUs.
- B. OpEx can be reduced by providing plug-and-play functionality using auto smart ports and auto QoS features.
- C. End-to-end monitoring and troubleshooting is enabled by Mediatrace and IPSLA.
- D. Compatible devices can download the Media Service Interface software from the HTTP server running on the Cisco Catalyst switch.

Answer: B,C

4.Which two of the following statements correctly describe architecture and design? (Choose two.)

- A. The architecture shows building blocks and abstract capabilities of a system and the relationships between the individual components.
- B. The design shows concrete products, expected performance, and scalability options of a solution.
- C. The design is the basis for creating the architecture.
- D. The architecture includes a description of the best possible solution.

Answer: A,B

5.Which two statements are true about CVD and SBA? (Choose two.)?

- A. The SBA toolset includes Partner Enablement Assets and EcoPartner Guides.
- B. SBA guides are available for enterprise deployments only.
- C. CVDs are end-to-end designs which are well-tested and fully documented.
- D. Gold partners have access to a demo lab for each validated design.

Answer: A,C

6.Which three of the following are successful examples of strategic IT investments improving operational

agility? (Choose three.)

- A. A company offers mobile email to its employees, who can then react faster to requests.
- B. A company implements collaboration solutions, which simplified information exchange.
- C. A company changes its security strategy from "lock down" to "secure access from anywhere", so that users are "always-on" and can easily work remotely.
- D. A company implements EnergyWise solutions, which drastically reduce energy costs.
- E. A company provides support for a BYOD solution, which increases the investment and requires network upgrades, but provides limited improvements compared to a well-known remote access solution.

Answer: A,B,C

7.Which three of the following statements correctly describe switching? (Choose three.)

- A. A Layer 2 switch operates up to the data linklayer of the OSI network model.
- B. A Layer 3 switch operates up to the transportlayer of the OSI network model.
- C. A dual-layer switch operates at the transport and data link layers of the OSI network model.
- D. A dual-layer switch operates at the data link and network layers of the OSI network model.
- E. A multilayer switch operates up to Layer 4 of the OSI network model.

Answer: A,B,E

8.Which of the following is not a requirement for a core switch?

- A. High availability?
- B. Integrated services?
- C. Network access control?
- D. Application performance?

Answer: C

9.Which two of the following statements about the Cisco switching product portfolio are correct? (Choose two.)

- A. The Cisco Catalyst 3560 v2 and CiscoCatalyst 3560-X are stackable.
- B. The Cisco Catalyst 3750 v2 and CiscoCatalyst 3750-X are stackable.
- C. The Cisco Catalyst 2000 series support 802.1X and MACsec encryption.
- D. The Cisco Catalyst 2000 series support PoE and PoE+, but they do not support 60 W per port like the Cisco Catalyst 3000and Cisco Catalyst 4000 series.

Answer: B,D

10.Which two of the following statements correctly describe service modules available for the 3560-X and 3750-X switches? (Choose two.)

- A. The C3KX-NM-10GT service module offers two 10 Gigabit Ethernet SFTP+ ports.
- B. The C3KX-NM-10G and the C3KX-NM-10GT service modules provide flexible netflow.
- C. The C3KX-SM-10G service module provides flexible netflow.
- D. The C3KX-SM-10G service module offersMACsec encryption at line rate.

Answer: C,D