

**Cisco 642-062**

**642-062 Routing and Switching Solutions for System  
Engineers**

**Practice Test**

Version 3.1

**QUESTION NO: 1**

Which two of these are features of the Cisco 2851 Integrated Services Router, but not features of Cisco 1800 Series Integrated Services Routers? (Choose two.) Select 2 response(s).

- A. 32-Gbps switching bus
- B. built-in wireless module
- C. Cisco SDM for simplified management
- D. two integrated 10/100/1000 Ethernet ports
- E. Power over Ethernet support for 10/100 Ethernet ports
- F. slots dedicated to Cisco High-Density Analog and Digital Extension Module for Voice and Fax

**Answer: D,F**

**QUESTION NO: 2**

Which two of these features can be managed by the Cisco SDM application? (Choose two.) Select 2 response(s).

- A. VoIP
- B. HSRP
- C. IPsec VPN
- D. QoS policy
- E. PoE power consumption

**Answer: C,D**

**QUESTION NO: 3**

Your network includes a Cisco Catalyst 6500 Switch with an FWSM module. You need Layer 2 connectivity between two routers located on different firewall interfaces. Which feature will you need in order to provide this connectivity? Select the best response.

- A. router mode
- B. virtual firewall
- C. stateful firewall
- D. transparent mode
- E. two FWSM modules in failover mode

**Answer: D**

**QUESTION NO: 4**

Which supervisor module can be used in the Cisco Catalyst 4510R chassis? Select the best response.

- A. Supervisor II-Plus
- B. Supervisor IV
- C. Supervisor V-10GE
- D. Supervisor II-TS

**Answer: C**

**QUESTION NO: 5**

Which two tools can you use to manage and configure a Cisco Catalyst Express 500 Series Switch? (Choose two.)  
Select 2 response(s).

- A. CLI
- B. Cisco Network Assistant
- C. Cisco Smartports Advisor
- D. Device Manager with embedded GUI

**Answer: B,D**

**QUESTION NO: 6**

Which security feature of a Cisco Catalyst 2960 Series Switch can be used to prevent clients from acquiring an IP address from unauthorized servers? Select the best response.

- A. port security
- B. 802.1X in conjunction with Cisco Secure ACS
- C. DHCP snooping
- D. MAC address notification

**Answer: C**

**QUESTION NO: 7**

Which two of these tasks are important when designing for high availability? (Choose two.) Select 2 response (s).

- A. selecting high-end devices
- B. identifying single points of failures
- C. improving performance to consequently increase availability
- D. introducing redundancy to mitigate potential single points of failure
- E. removing devices and features that introduce single points of failures

**Answer: B,D**

#### QUESTION NO: 8

Which two of these protocols can be used to provide secure connectivity when connecting a branch office to the campus core? (Choose two.) Select 2 response(s).

- A. GRE
- B. L2TP
- C. IPsec
- D. IP in IP
- E. L2TP over IPsec

**Answer: C,E**

#### QUESTION NO: 9

Which layer in a hierarchical network is considered optional in smaller campus networks? Select the best response.

- A. access
- B. distribution
- C. core
- D. remote
- E. DMZ
- F. aggregation

**Answer: C**

#### QUESTION NO: 10

Which of these spanning tree mechanisms can be used to ensure that access switches cannot become transit nodes in a spanning tree?  
Select the best response.