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**Exam** : **500-205**

**Title** : SP Optical Technology  
Systems Engineer  
Representative

**Version** : DEMO

**1.Topic 1, Introduction to the Network Convergence System and NCS 2000**

Into which three areas can network convergence be categorized? (Choose three.)

- A. operational convergence
- B. packet convergence
- C. functional convergence
- D. logical convergence
- E. system convergence
- F. optical convergence

**Answer:** A, C, D

2.Which three nLight technologies does the NCS 2000 employ? (Choose three.)

- A. nLight Routing
- B. nLight Silicon
- C. nLight Control Plane
- D. nLight ROADM
- E. nLight Switching
- F. nLight Convergence

**Answer:** B, C, D

3.Around which three DWDM technologies is the Cisco NCS 2000 Series optimized? (Choose three.)

- A. Flex Spectrum
- B. SONET/SDH switching
- C. dispersion compensation
- D. coherent wavelengths
- E. touchless ROADM
- F. arrayed waveguide gratings

**Answer:** A, D, E

4.Which three factors make optical a critical component of service provider networking? (Choose three.)

- A. Optical hardware has a long 10-15 year life span.
- B. Optical local area networks are gaining in popularity.
- C. Packet networking and optical hardware are converging.
- D. Optical hardware churns frequently and needs frequent replacement.
- E. Optical networking is the foundation of all WANs.
- F. Many models of optical hardware have reached end-of-life.

**Answer:** A, C, E

5.Into which category of packet networking does the Cisco NCS 4000 Series fit?

- A. aggregation
- B. edge
- C. access
- D. core

**Answer:** A