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Huawei H21-221

**Huawei Certified Specialist Professional-Presales-SME
Network (Distribution)**



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Question: 1

A partner is writing the requirements section of a proposal for a district's primary and secondary schools. The district's ICT coordinator has asked that the section follow the requirement themes stated in Huawei's eKit Intelligent Campus Network Solution for education rather than a generic template. Which theme belongs in that section?

- A. Green and low-carbon campus
- B. Seamless PDA roaming across wards and treatment rooms
- C. Payment success every time at low latency
- D. Smooth, lag-free guest-room network for work and play

Answer: A

Question: 2

A battery-components factory likes the HUAWEI eKit App for its office block. Its quality department, however, requires that the switches serving the production segment, which is isolated from the office by VLAN, be managed only from inside the plant with no dependency on a public cloud platform. The owner asks whether this forces two different switch product lines. Which response is best supported?

- A. Yes; eKit switches can be managed only through the cloud
- B. Yes; on-premise management needs a separate WAC in front of every production switch
- C. No; the production segment can simply use unmanaged switches that need no management at all
- D. No; these switches can switch between cloud and on-premise management modes

Answer: D

Question: 3

A primary school's network is looked after by an ICT teacher who has no network training. When a classroom reports slow or missing Wi-Fi, she walks the building checking lights on devices, and she often cannot tell the partner which AP or switch is at fault. The head teacher wants her to see from her phone which devices are online, how they connect and where a problem sits. Which highlight of Huawei's education solution addresses this need?

- A. Threat detection
- B. Dynamic voltage and frequency scaling (DVFS)

- C. Visualized operations and maintenance
- D. Smart converged scheduling in high-density scenarios

Answer: C

Question: 4

A 25-person food-packaging workshop is replacing its network. A local reseller's quotation uses an AR303 desktop router as the gateway for the office PCs and four access points. The owner visits the site only twice a week and has set one condition: every network device must appear in the HUAWEI eKit App, so he can check status and receive alarms from his phone. What should the presales engineer advise about the quotation?

- A. Keep the AR303, since every eKit gateway joins the app once it is online
- B. Replace the AR303, as its catalog page says cloud management is not supported
- C. Keep the AR303 and add a WAC relaying it to the app
- D. Replace the AR303, because it has no LAN ports for the office PCs to connect to directly

Answer: B

Question: 5

A business center hosts weekly product launches in its 150-seat seminar room. The plan already provides six ceiling APs, sized to the room's peak concurrency, and almost every attendee carries a dual-band laptop and phone. The engineer now sets the radio design for the room. Which planning measures suit this high-density room? (Choose two.)

- A. Run all six APs at maximum power so every seat hears several APs
- B. Use 40 MHz channels on 2.4 GHz to give each client more bandwidth
- C. Run the APs at reduced transmit power so each cell stays small
- D. Put all six APs on one shared channel so attendees roam freely
- E. Steer dual-band clients to 5 GHz, with its larger set of channels

Answer: C,E

Question: 6

A presales engineer is structuring a hospital ward proposal around the requirements that Huawei's eKit smart ward scenario states. One section already covers roaming for nurses' PDAs and ward round carts. The next section concerns the bedside devices that track each patient's condition continuously and must report it to the nurse station without delay.

Which smart ward requirement should head that section?

- A. Unified data access across departments and hospital campuses
- B. Teaching data loss prevention on the internal network
- C. Reduced total cost of ownership for the network
- D. Patient vital signs monitored in real time

Answer: D

Question: 7

A kindergarten has five playrooms, a staff room and a small office, with about 15 staff devices and 10 cameras in total and no IT staff. A reseller's quotation includes a separate egress router, a core switch, two aggregation switches, a dedicated WAC, a firewall, a PoE access switch and one settled AP per room.

Which assessment of the quotation is most defensible?

- A. Under-specified: add a second WAC so the APs stay managed if one fails
- B. Over-specified: one converged gateway can cover most roles
- C. Appropriate: education designs need separate core, aggregation and access layers
- D. Under-specified: the cameras need a separate switch network of their own

Answer: B

Question: 8

A 48-room hotel powers its wall plate APs and corridor cameras from a PoE access switch on each floor. The night manager reports that during the last switch software upgrade every room lost Wi-Fi and the cameras went dark for several minutes while the APs and cameras rebooted.

Which capability should the partner look for in the replacement PoE access switches?

- A. Perpetual PoE, which keeps powering connected devices while the switch restarts
- B. Fanless natural heat dissipation, so that the switches run silently near guest rooms
- C. Stacking of the floor switches into one logical device managed as a single unit
- D. A larger total PoE budget, so that more devices can draw power at the same time

Answer: A

Question: 9

A small injection-molding factory links the access switches in its workshop, warehouse and office block in a ring, so that every switch has two paths back to the core. The owner wants the ring to stay free of

loops in normal operation and to recover almost at once if forklift damage cuts one of the fiber links between buildings.

Which switch capability supports this ring design?

- A. Perpetual PoE during switch restarts
- B. Port isolation between the access ports on each switch
- C. ERPS ring protection with fast switchover
- D. HOUP smart upgrade with version pre-loading on every switch in the ring

Answer: C

Question: 10

A partner is drawing the equipment-room part of a design for a primary school, following the placement-by-location layout of Huawei's education solution. Classrooms, the auditorium, the playground and any dormitories are handled separately on the drawing, each with its own access points. Which three elements does the solution place in the equipment room?
(Choose three.)

- A. Converged gateway
- B. High-density AP
- C. Optical AP
- D. Wireless access controller (WAC)
- E. Firewall

Answer: A,D,E

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