



BL0-100^{Q&As}

Nokia Bell Labs End-to-End 5G Foundation

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QUESTION 1

What is the best solution for deploying an optimal network function distribution?

- A. Using duplicated Virtual Network Functions
- B. Using Virtual Network Functions to control the routing
- C. Using Virtual Network Functions orchestrated across various Cloud Data Centers
- D. Using Virtual Network Functions in Access

Correct Answer: C

QUESTION 2

In a 5G Transport network, the encryption protection of the user and control plane are provided by which of the following?

- A. IPSec
- B. Access Control List
- C. SSH
- D. X25

Correct Answer: A

Reference: <https://www.ericsson.com/en/security/a-guide-to-5g-network-security>

QUESTION 3

Which of the following are 4G limitations that justify a roll-out to 5G? (Choose three.)

- A. Low peak and end-user-experience throughput
- B. Low reliability
- C. High latency
- D. Beamforming is not supported

Correct Answer: ABC

Reference: <https://www.raconteur.net/technology/5g/4g-vs-5g-mobile-technology/>



QUESTION 4

You and a colleague are discussing the challenges to be resolved in order to make digitization and automation a reality in all industries. He is arguing that the solution is to have faster access connectivity, but you don't agree. You are trying to convince him of the need for an end-to-end solution. The new 5G network should be built end-to-end to enable industries' quest for value. What arguments can you provide to support your position?

- A. Increasing throughput is not enough. A faster and automated transport network, a distributed cloud where applications would run depending on their latency and reliability requirements, a core network that automatically handles any type of access, and a security framework to guarantee the security in every layer of the network are also needed.
- B. The network consists of many layers that include access, transport, core, cloud, and all of the applications running in the cloud. Increasing throughput in access is not enough. The bit rate needs to be increased in all of the other layers as well.
- C. Increasing the access throughput might be worthwhile but applications that support a higher bit rate should also be a consideration.
- D. Increasing the throughput is enough. There is no need to change the network end-to-end.

Correct Answer: A

QUESTION 5

You are working in a logistics company. Your manager is telling you that automation is very important to create more opportunities for the company. His idea is to deliver parcels using drones. With this in mind, he asks you if a 4G network provides good connectivity for controlling the delivery drones. How would you answer him and why?

- A. Yes, 4G provides a connectivity network but, it is quite expensive. WIFI may be a preferable option.
- B. No, a 4G network is not a good choice for drone control because big operators (with whom we cannot deal) mainly deliver it.
- C. No, a 4G network cannot deliver the required connectivity. It is not able to guarantee the latency and reliability required for drone control.
- D. Yes, the drone control application can be hosted in the cloud and the 4G network can provide the speed needed to reach the application and control the drones.

Correct Answer: D