



# BL0-100<sup>Q&As</sup>

Nokia Bell Labs End-to-End 5G Foundation

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### QUESTION 1

What functionality is applied by SDN to find an alternative path in case of failure in the Transport Network?

- A. Path Correlation Engine
- B. Alternative Route Finding
- C. Alternative Path Computing
- D. Path Computation Engine

Correct Answer: C

Reference: <https://www.google.com/url?sa=t&drct=jandq=andesrc=sandsource=webandcd=andcad=rjaanduact=8andved=2ahUKEwj01tmp5uTvAhUQO8AKHbvUB5cQFjAAegQIBxADandurl=https%3A%2F%2Fwww.mdpi.com%2F2071-1050%2F12%2F10%2F4255%2Fpdfandusg=AOvVaw2Jd6iravRnpP8tfxjldKWK>

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### QUESTION 2

Which of the following defines a vertical Network Slice?

- A. When it serves a given customer for a specific purpose, such as a national energy network.
- B. When it cross all the network layers from the radio up to the core.
- C. When it serves a given common purpose, for a use case with a defined QoS (eg a use case in transportation, in energy).
- D. When it operates on the same layer of the ISO/OSI model.

Correct Answer: A

Reference: [https://www.gsma.com/futurenetworks/wp-content/uploads/2018/06/Network-Slicing-UseCase-Requirements-\\_FInal-.pdf](https://www.gsma.com/futurenetworks/wp-content/uploads/2018/06/Network-Slicing-UseCase-Requirements-_FInal-.pdf)

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### QUESTION 3

What is the primary benefit of Edge Cloud?

- A. Lower latency
- B. Higher Availability
- C. Larger Bandwidth
- D. Lower Cost

Correct Answer: A



Reference: <https://www.nokia.com/networks/portfolio/edge-cloud/>

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#### QUESTION 4

In terms of scalability, flexibility, and capacity, which of the following would overcome 4G limitations?

- A. Service based architecture, stateless network functions, Cloud-ready network functions and modular network functions.
- B. Client/Server architecture, stateless network functions, Cloud-ready network functions and modular network functions.
- C. Client/Server architecture, Cloud-ready network functions, and modular network functions.

Correct Answer: B

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#### QUESTION 5

What are the five key features of 5G Core?

- A. Dynamic Control plane, Adaptive Architecture, Converged-Access-Network, Stateless and Network Self-healing
- B. Dynamic Control plane, Service Based Architecture, Multi-Access-Network, State-efficiency and Network Slicing
- C. Dynamic Control plane, Adaptive Architecture, Multi-Access-Network, Stateless and Network Slicing
- D. Control and User Planes Separation, Service Based Architecture, Multi-Access-Network, State-efficiency and Network Slicing

Correct Answer: A

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#### QUESTION 6

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

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### QUESTION 7

Which of the following statements about 5G Transport is incorrect?

- A. Widely diverse end to end services will require the ability to create a Transport Slice with guaranteed SLAs.
- B. Ultra Reliable Machine to Machine communication will require dependable low latency communication.
- C. Internet of things devices will require a massive increase in network connectivity.
- D. Explosive traffic growth will require statically defined manually configured end to end QoS based services.

Correct Answer: C

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### QUESTION 8

What is the Unstructured Data Storage Function (UDSF)?

- A. This network function exposes 5G Core Network functionalities available to 3rd parties, so that 3rd party capabilities and events may be securely exposed by the Network Exposure Function (NEF).
- B. This network function is part of data repositories in the Common Data Layer. It stores 3GPP standardized data.
- C. This network function is part of data repositories in the Common Data Layer and in opposition to the UDR, it stores non-standardized ?Unstructured ?data.
- D. This network function stores or retrieves subscriptions, profiles, and authentication data to or from the data repositories. It offers services to the AMF, SMF, NEF and AUSF using the Service Based Interface.

Correct Answer: A

Reference: <https://webthesis.biblio.polito.it/12557/1/tesi.pdf>

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### QUESTION 9

Which one of the following requires a network service package defined in a catalog?

- A. Cloud software platform
- B. Cloud infrastructure software
- C. Cloud orchestration
- D. Software defined network

Correct Answer: C

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### QUESTION 10

Which of the following technologies drive 5G increased throughput capacity? (Choose three.)



- A. MU-MIMO and beamforming
- B. Higher spectral efficiency
- C. Network Slicing
- D. Multi-connectivity per User Equipment

Correct Answer: ABC

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