BL00100-101-E Q&As

Nokia Bell Labs End-to-End 5G Foundation Certification Exam

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QUESTION 1

Which of the following is not a benefit of Network Slicing?

A. Priority between different flows

B. Privacy and segmentation between flows

C. Recovery of network flows when they fail

D. Differentiated QoS flows, for different services

Correct Answer: C

QUESTION 2

What is the Unstructured Data Storage Function (UDSF)?

A. This network function exposes 5G Core Network functionalities available to 3rd parties, so that 3rdparty 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

QUESTION 3

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 toMachine 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

QUESTION 4

What does the acronym SOAR stand for?

A. Security Orchestration Automation and Recovery

B. Security Optimization Accountability Recovery

C. Security Orchestration Automation and Response

D. Securitization, Optimization, Access Control, and Resiliency

Correct Answer: C

Reference: https://www.fireeye.com/products/helix/what-is-soar.html

QUESTION 5

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/

QUESTION 6

Which of the following is a valid NFV attack?

A. Hijack attack on hypervisor

B. DDoS attack on the SDN switches

C. Poor NFV implementation

D. Hypervisor resources leakage

Correct Answer: A

Reference: https://www.etsi.org/deliver/etsi_gs/nfv-sec/001_099/001/01.01.01_60/gs_nfv- sec001v010101p.pdf

QUESTION 7

What are the benefits of the stateless or state-efficient aspects of network functions?

A. Avoid massivedatabase corruption

B. Provide real time access to the databases

C. Enable scalability and extreme resiliency in the 5G Core

D. Ensure the database integrity

Correct Answer: C

Reference: https://www.nokia.com/about-us/news/releases/2018/01/29/nokia-implements- future-x-network- architecture-for-5g-to-deliver-breakthrough-network-performance-and- reduce-costs/

QUESTION 8

Is it possible for a User Equipment to connect simultaneously to multiple slices in 5G?

A. No

B. Yes

Correct Answer: B

Reference: https://www.researchgate.net/publication/340976923_Slice_Selection_In_5G_Networks_Novel_Approach_for_Accessing _Multiple_Slices_Simultaneously

QUESTION 9

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 ahigher 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 10

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 applicationand control the drones.

Correct Answer: D