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 statements about Network Slicing are correct? (Choose three.)

A. Multiple slices create multiple virtual network instances.

B. Unique Quality of Service can be allocated to a given slice.

C. Specific resources can be allocated to a given slice.

D. Network Slicing is a way to physically partitionthe common network infrastructure.

Correct Answer: ABC

QUESTION 2

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

A. Using duplicated Virtual Network Functions

B. Using Virtual NetworkFunctions 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 3

What is the role of 5G in meeting the automation needs of Industry 4.0?

A. 5G plays a minor role on Industry 4.0 because the requirements are mainly focused on mMTC and IoT.

B. 5G requirements for Industry 4.0 are mainly focusedon Ultra high bandwidth needs.

C. 5G plays an important role on Industry 4.0 because it enables the cloud automation with baremetal platforms.

D. 5G requirements for Industry 4.0 are mainly focused on ultra low latency characteristics but also fromhigh throughput and massive connectivity.

Correct Answer: D

QUESTION 4

Which of the following drive 5G low latency? (Choose two.)

A. Support ofup to 1 billion of IoT and sensors devices per km2

B. Lower Time Transmission Interval (TTI)

C. Higher spectral efficiency

D. Edge Clouds

Correct Answer: BC

QUESTION 5

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 6

A. Service based architecture, stateless networkfunctions, 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

QUESTION 7

What is Unified Data Management (UDM)?

A. 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.

B. This network function supports authentication for 3GPP and non-3GPP accesses.

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 provides registration and discovery functionality to enable other network functions/ services to discover and communicate with each other.

Correct Answer: B

Reference:

https://docs.oracle.com/communications/F25434_01/docs.10/UDM%20User%27s%20Guid e/ GUID-F0678B8F-501C-4BE5-A0D7-141CED2DFE70.htm

QUESTION 8

What are the benefits of traffic engineering in Transport networks? (Choose three.)

A. Scaling access points

B. Better utilization of network capacity

C. Traffic steering

D. Resiliency

Correct Answer: BCD

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

Imagine that you are defining the 5G network requirements for the Industrial Automation of a port, what is the set of 5G technology enablers and horizontalapplications that makes sense?

A. Automation of cargo handling and integration with the logistics chain is an Autonomous Container Transport vehicles that requires 5G NR, Edge cloud and High SLA slices.

B. Automation of cargo handling and integration withshorter ship turnaround times through improved predictability of operations is a video inspection system of important large infrastructure that requires 5G NR, FWA and High SLA slices.

C. Automation of cargo handling and integration with the logistics chain is an Autonomous Container Transport vehicles that requires 5G NR, central cloud and FWA.

D. Automation of cargo handling and integration with shorter ship turnaround times through improved predictability of operations is a video inspection system ofimportant large infrastructure that requires 5G NR and central cloud.

Correct Answer: A