BL00100-101-E^{Q&As}

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

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QUESTION 1

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

QUESTION 2

Your manager started a brainstorming session during a meeting on how automation can be driven in the network.He asks what tools can be used to increase automated services in the network. What would you answer be?

A. We need to find a software company that will write software to automate the network services.

B. We can create rule-based automation. We can also use Artificial Intelligence and Machine Learning to automate all network services.

C. We can write scripts that will be executed at certain times when a specific event happens and the service will be automated in this way.

D. We can use big data. It is themain tool that should be used for network automation.

Correct Answer: B

QUESTION 3

Which of the following best defines what is meant by Network Slice isolation?

A. Security + Cloud isolation

B. Resource + Security isolation

C. Transport + Cloud isolation

D. Resource + Traffic isolation

Correct Answer: B

Reference: https://www.gsma.com/futurenetworks/wp-content/uploads/2018/06/Network- Slicing-Use-Case-

Requirements-_-FInal-.pdf

QUESTION 4

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

QUESTION 5

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=tandrct=jandq=andesrc=sandsource=webandcd=andcad=rjaanduact=8andv ed=2ahUKEwj01tmp5uTvAh UQO8AKHbvUB5c QFjAAegQIBxADandurl=https%3A%2F%2Fwww.mdpi.com%2F2071- 1050%2F12%2F10% 2F4255% 2Fpdfandusg=AOvVaw2Jd6iravRnpP8tfxjIdKWK

QUESTION 6

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 7

Which of the following drive 5G higher reliability?

A. Higher spectral efficiency

B. Multi-connectivity per User Equipment

C. Connectionless radio access

D. Lower Time Transmission Interval (TTI)

Correct Answer: A

Reference: https://learningstore.nokia.com/doc/5g/5G_Foundation_Study_Guide_BL00125_M_%2020 02.pdf (9)

QUESTION 8

Which of the following is not a component of the 5G Flexible RAN architecture?

A. Radio Unit

B. Distributed Unit

C. Centralized Unit

D. Optical Unit

Correct Answer: D

Reference: https://www.hindawi.com/journals/wcmc/2019/5264012/

QUESTION 9

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 10

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