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QUESTION 1

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 2

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 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

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 5

Which of the following defines a vertical Network Slice?

A. When it serves a given customer for a specific purpose, such as anational 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 layerof the ISO/OSI model.

Correct Answer: A

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

QUESTION 6

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 7

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 8

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 9

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

QUESTION 10

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

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