Exam Code: BL0-200

Exam A

QUESTION 1
What is a characteristic of analog beamforming?

A. Primarily use for adding capacity

B. Support MU-MIMO

C. Radiating elements each have separate TRX

D. Only transmits one beam at a time

Correct Answer: B
Section:

QUESTION 2
Which of the following are a virtualization platform that can be used for 5G Cloud Core?

A. Virtual Machines

B. Kubernetes

C. Containers

D. All of the above

Correct Answer: D
Section:

QUESTION 3
Which protocol layer In the gNB is responsible for QoS mapping?

A. RLC

B. PDCP

C. MAC

D. SDAP

Correct Answer: A
Section:

QUESTION 4
In an SDN network the traffic engineering is:

A. typically conducted by operators on a yearly or quarterly basis

B. conducted near real-time, on a granular second or minute basis

C. conducted offline

D. conducted by the operators upon the appearance of a problem

Correct Answer: B

Section:

QUESTION 5
Which timing reference source is the most common and accurate for radio networks?

A. GNSS
B. SyncE
C. IEEE I588v1
D. BITS

Correct Answer: C
Section:

QUESTION 6
Identify the feature or feature set that reduces latency in the 5G RAN.

A. mMIMO and Beamforming
B. dual connectivity
C. flexible radio design
D. dynamic spectrum sharing

Correct Answer: B
Section:

QUESTION 7
Which of the following Is NOT part of a transport value package?

A. x-Haul
B. Baseband options
C. Optical transport

Correct Answer: A
Section:

QUESTION 8
In Time Sensitive Networking, which transport application should be configured for the highest priority?

A. Fronthaul
B. Long haul
C. Midhaul
D. Backhaul

Correct Answer: A
Section:

QUESTION 9
Select the correct statement regarding SDN:

A. SON doesn't allow the use of Multivendor/Open API

B. SDN allows the separation of control and user traffic

C. SDN allow the decentralization of the network control

D. SDN allows to access data directly in the hardware

Correct Answer: B
Section:

QUESTION 10
Which of the following are the functions of each Slice Management orchestrator?

A. Automation

B. Monitoring

C. Optimization

D. All of the above

Correct Answer: D
Section:

QUESTION 11
What are the options for voice call establishment in 5G SA mode? (Select 2)

A. EPS Fallback (VoLTE)

B. CS Fallback

C. Voice over NR

D. It is not possible

Correct Answer: A, D
Section:

QUESTION 12
Which transport network segment is between the gNB radio and DU function?

A. Longhaul

B. Midhaul

C. Backhaul

D. Fronthaul

Correct Answer: D
Section:

QUESTION 13
Which of the following Is NOT a difference between Time Sensitive Ethernet and Classical Ethernet?

A. Determinism

B. Real-Time

C. Packet Based

D. Preemptive packet

Correct Answer: A
Section:

QUESTION 14
What is the typical maximum distance of the fronthaul?

A. up to 5 km

B. up to 10 km

C. up to 30 km

D. up to 50 km

Correct Answer: B
Section:

QUESTION 15
What is an enabler of Ultra Reliable Low Latency capabilities?

A. Ten millisecond user plane

B. Mini-slot scheduling

C. Centralized User Plane Function

D. Non-standalone configuration

Correct Answer: C
Section:

QUESTION 16
What core function will be deported in the far edge cloud to support URLLC?

A. UPF

B. UDM

C. UDR

D. UDSF

Correct Answer: B
Section:

QUESTION 17
The concept of dividing the carrier into smaller segments is integral to which 5G capability?

A. Dynamic Spectrum Sharing

B. Network Slicing

C. Multi Connectivity

D. Bandwidth Part

Correct Answer: B
Section:

QUESTION 18
What is the benefit of the introduction of Dynamic Spectrum Sharing between 4G and 5G?

A. Increased 4G throughput
B. Increased 4G coverage
C. Increased 5G coverage
D. Reduced latency in 4G

Correct Answer: C
Section:

QUESTION 19
Which of the following Is a valid definition for Service Based Architecture principle (SBA)?

A. Each network function is in turn either service producer or service consumer.
B. Provides an individual platform from which node applications can be deployed using components of external sources and suppliers.
C. Provides a separation between the transport and physical resources.
D. None of the above.

Correct Answer: B
Section:

QUESTION 20
You act as a consultant for a multisite company. They want to implement 5G coverage and are currently looking for a Cloud solution. Due to financial constraints they don't want to hire any new staff. What Cloud solution will you propose?

A. Private Cloud
B. Platform as a service
C. Infrastructure as a service
D. Network as a service.

Correct Answer: B
Section:

QUESTION 21
The automatic neighbor relation 50N feature would apply to which SON category?

A. Self-optimizing
B. Self-configuring
C. Self-healing
D. Self-scaling

Correct Answer: A
Section:

QUESTION 22
Which of the following \$ NOT defined by 3GPP as a category for SON?

A. Self-scaling

B. Self-configuring

C. Self-optimizing

D. Self-healing

Correct Answer: B
Section:

QUESTION 23
Why Is beamforming coverage better for 5G compared to 4G?

A. Lower frequency deployments

B. Beam sweeping SSB

C. Higher frequency deployments

D. Better uplink coverage

Correct Answer: A
Section:

QUESTION 24
What Information is NOT exchanged during Session Establishment?

A. PDU Session ID

B. QFI

C. Final P-NSSAI

D. Session AMBR

Correct Answer: C
Section:

QUESTION 25
In a closed loop automatic fault mitigation, which service determines the root cause?

A. Domain analytics

B. Domain control

C. Domain data collection

D. Domain intelligence

Correct Answer: C
Section:

QUESTION 26
The lifecycle management of network services Is done by?

A. EM

B. NVFO

C. VNFM

D. VIM

Correct Answer: C
Section:

QUESTION 27
Is the FTTH technology suitable to serve as a fronthaul of the 5G cells?

A. No, because an FTTH network was developed and deployed to connect homes.

B. No, because an FTTH network has a limited capacity of 2.5Gbps down and 1.2Gbps up.

C. No, because an FTTH network can't deal with the 5G latency, capacity and performance demands.

D. Yes, re-using the FTTH network reduces costs, speeds-up deployment and FTTH is still being improved to reduce latency and increase performance.

Correct Answer: D
Section:

QUESTION 28
Which of the following Is a functionality of the User Plane Function (UPF)?

A. Connects to external networks via N8 reference point

B. Sends traffic usage reporting to the SMF for charging

C. Enforces policies received from NSSAI and applies them as slices.

D. Acts as the interconnection point with Non-3GPP Access networks

Correct Answer: D
Section:

QUESTION 29
Which of the following Is NOT an advantage of offloading mobile data to a fixed uplink through a wifi network?

A. Free-up RAN capacity

B. Lowering costs of data usage

C. The end-user is responsible for the Wifi network

D. Provides better coverage inside the premises than 5G

Correct Answer: D
Section:

QUESTION 30
What is NOT a reason to deploy a Cloud RAN solution?

A. Shared resource pooling gains

B. Lower complexity

C. Common off the shelf hardware

D. Far edge cloud deployments for 5G core UPF

Correct Answer: D
Section:

QUESTION 31
Which of the following 1$ a valid access method to 5G technology?

A. WLAN access

B. Cellular access

C. Fixed access

D. All of the above

Correct Answer: D
Section:

QUESTION 32
Which of the following sentences is WRONG regarding the implementation of the Artificial Intelligence in a Network?

A. Minimize up front effort

B. Fix problems before they arise

C. Rules must be understood and written in advance

D. Detect silent failures

Correct Answer: B
Section:

QUESTION 33
An FTTH operator wants to deploy 5G cells as soon as possible In an urban area, what can they do?

A. Re-use the existing FTTH network as fronthaul network.

B. Deploy dedicated fibers for the 5G cells.

C. If no dark fibers are available, the deployment cant take place.

D. Why would they do that, FTTH is already available.

Correct Answer: A
Section:

QUESTION 34
Network lifecycle tools are a way to mitigate the lifecycle complexity.

A. True

B. False

Correct Answer: A
Section:

QUESTION 35
In an Option 2 deployment, when additional capacity is required, what is the best solution?

A. Carrier aggregation for 4G cells

B. Dynamic spectrum sharing

C. Dual connectivity

D. Carrier aggregation for 5G cells

Correct Answer: B
Section:

QUESTION 36
What is the purpose of a RAN Intelligent Controller?

A. Platform to use AI/ML tools to enable services provided by applications

B. RAN domain management

C. It is a suite of SON applications to improve network performance

Correct Answer: C
Section:

QUESTION 37
Fill In the blank with the best answer from the available choices. One of the fronthaul solutions is_____which is defined by IEEE 802.1CM.

A. Passive Optical Network

B. Time Sensitive Networking

C. Microwave Network

D. Preemptive packet

Correct Answer: B
Section:

QUESTION 38
Which 3GPP Release 15 deployment option features an only LTE Network {RAN and Core)?
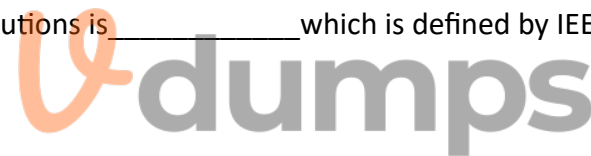
A. Option 1

B. Option 2

C. Option 3

D. Option 4

Correct Answer: B
Section:

QUESTION 39
A UE is roaming In an NSA3-X VPLMN, now many slices could it be connected to at a time?

A. 6

B. 4

C. 2

D. 1

Correct Answer: B
Section:

QUESTION 40
What differentiates 5G radio planning tools from 2G and 3G radio planning tools?

A. Cloud feature leveraging

B. NFV and SDN introduction

C. New antenna pattern and beamset

D. Closed loop services

Correct Answer: B
Section:

QUESTION 41
Which transmission principle is used by eCPRI?

A. Frequency based

B. Cell based

C. Synchronous

D. Packet based

Correct Answer: D
Section:

QUESTION 42
What information is NOT exchanged during Registration Accept?

A. UE MT Service Quality type

B. Periodic Registration Update timer

C. Registration Area

D. Network support of Interworking without N26

Correct Answer: D
Section:

QUESTION 43
In which usage case Is local UPF deployment most important?

A. eMBB

B. LTE+5GD55

C. URLLC

D. IoT

Correct Answer: C
Section:

QUESTION 44
Ethernet Virtual Private Networks enables :

A. Network virtualization in data centers
B. Enables dynamic traffic engineering services
C. Segment routing-traffic engineering
D. Exposes the full topology to the SON Controller

Correct Answer: B
Section:

QUESTION 45
How does Non Stand-Alone architecture differ from Stand-Alone architecture?

A. NSA enables low latency 5G end-to-end flow.
B. NSA restricts 5G throughput to 3 times that of 4G.
C. NSA requires half the required control plane signals.
D. NSA allows 5G NR deployment while retaining the AG core.

Correct Answer: D
Section:

QUESTION 46
In 3GPP rel 15, select the network function for which pooling is supported.

A. AMF
B. SMF
C. UDR
D. UPF

Correct Answer: D
Section:

QUESTION 47
Which protocol can be used between the radio and DU function on a gNB?

A. SDN
B. eCPRI
C. eMBB
D. TDM

Correct Answer: C
Section:

QUESTION 48
Which 5G use case relies on mini-slots for successful operation?

A. eMBB
B. URLLC
C. IoT
D. NSSF

Correct Answer: C
Section:

QUESTION 49
Which is NOT one of the main features of SDN?

A. Flexible and scalable architecture
B. Allows the operator to adjust the network offline
C. Traffic optimization
D. Separation between hardware and control plane

Correct Answer: D
Section:

QUESTION 50
Frequency synchronization can be distributed via Synchronous Ethernet. Please select true statement for SynchE.

A. SynchE is a layer 2 - link layer
B. The stability of the recovered frequency depends on the network load
C. SynchE must be supported at all intermediate nodes on the synchronization path
D. SynchE is transported in OTN frames

Correct Answer: D
Section:

QUESTION 51
Unified inventory (or inventory federation) is mandatory for digital automation service.

A. True
B. False

Correct Answer: A
Section:

QUESTION 52
Which of the following is NOT a valid method to route the data to the destination during roaming?

A. Home-routed Roaming Architecture
B. ITE-bypass Roaming Architecture

C. Local Break-out Roaming Architecture

D. None of the above

Correct Answer: A
Section: