

Practice Exam Questions for: Nokia Bell Labs 5G Networking Exam (exam number: BL00-200)

The following questions will test your knowledge and prepare you for the Nokia Bell Labs 5G Networking Exam. Compare your responses with the Answer Key at the end of the document.

1. Which of the following is a 5G UE Registration type?
 - a. Initial Mobility Registration Update
 - b. NSA-X2 Continuous Registration
 - c. Mobility Registration Update
 - d. None of the above

2. What message is exchanged between SMF and NWDAF for assisted UPF selection?
 - a. Analytic Info Request
 - b. Analytic Subscription Info Request
 - c. Analytic UPF selection Request
 - d. None of the above

3. Which of the following is one of the main features of convergence and automation digital core delivery?
 - a. Distributed & Robust Database
 - b. Common Data Layer
 - c. Microservice Architecture
 - d. Container mini-services

4. Which of the following is **NOT** a phase of digital design sequence?
 - a. Integration
 - b. RF design
 - c. Scoring
 - d. Predicted demand

5. Closed-loop network and service automation _____ .
 - a. is a critical enabler for dynamic service creation and delivery.
 - b. helps the standardization of Network Slicing management by decomposing the Slicing management into layers.
 - c. automates the service introduction lifecycle.
 - d. encapsulates service assurance and service fulfilment.

6. Which fronthaul network type is possible using eCPRI, but not CPRI?
 - a. Passive WDM
 - b. Active WDM
 - c. PON
 - d. Dark Fiber

7. Which of the RAN architecture options is it where the CU and DU are deployed together on a far edge cloud?
 - a. Distributed Classical RAN
 - b. Distributed Cloud RAN
 - c. Dual Split Cloud RAN
 - d. Centralized Cloud RAN

8. Fronthaul solutions support Common Public Radio Interface (CPRI). Which of the following is not true about CPRI?
 - a. CPRI standard defines a flexible interface between Radio Equipment Controllers and radio unit
 - b. CPRI link is synchronous
 - c. CPRI is a packet-based interface
 - d. CPRI has variable capacity

9. Choose the answer that best completes the sentence. In the Optical Fronthaul architectures, one of the solutions is called Active WDM fronthaul which _____.
 - a. uses colored SFP at both the radio unit and system modules.
 - b. uses transponders and grey interfaces in RAN.
 - c. uses only WDM filters to provide WDM muxing and demuxing .
 - d. uses WDM filters and Ethernet cards.

10. Which of the following does **NOT** describe PCE main tasks:
 - a. Discovers EVPN routes and maintains a virtual service connectivity map of all NFs
 - b. Collects link statistics through telemetry interfaces to assure SLA policy goals

- c. Exposes the full topology to the SDN Controller
 - d. Enables network virtualization in data centers
11. Why is the introduction of SDAN crucial for a 5G fiber access network?
- a. SDAN enables new features of the xPON network, such as providing point to point connections.
 - b. Due to SDAN, a Fixed fiber access connection no longer requires a fiber up to the end-point, as it is a software defined access network.
 - c. The introduction of SDAN enabled features such as lower latency and slicing.
 - d. SDAN does not provide new features, it only reduces the production costs.
12. Which 5G signal would give the best coverage for an FWA device?
- a. 5G mmWave
 - b. 5G sub 6GHZ
 - c. Wifi 6
 - d. Coverage remains the same for all signals
13. Identify the feature that best enables wide area 5G coverage.
- a. mMIMO and Beamforming
 - b. dynamic spectrum sharing
 - c. dual connectivity
 - d. Flexible radio design
14. What does "vertical openness" describe in regards to virtualized RAN?
- a. Independent software and hardware
 - b. Open interfaces between network elements
 - c. Open interface between RAN and Core
 - d. Support for 3D beamforming
15. What is an advantage of centralized cloud RAN deployment for 5G services?
- a. Geographical redundancy
 - b. Deployments can use existing LTE sites
 - c. Radio and DU are combined for smaller footprint
 - d. Lower latency for certain services
16. What kind of information would be sent to the RAN on the E2 interface?
- a. Policies to optimize the RAN in near real-time

- b. ML enrichment data
- c. State information such as exceptions
- d. Reports with information

Answer Key

- 1. C
- 2. A
- 3. C
- 4. A
- 5. A
- 6. C
- 7. D
- 8. C
- 9. B
- 10. D
- 11. C
- 12. B
- 13. B
- 14. A
- 15. D
- 16. A