



Ericsson

ECP-383

**Ericsson Certified Associate - Radio Network
Optimization**

QUESTION & ANSWERS

Question: 1

What is a benefit of Remote Radio Unit (RRU) deployment compared to a standard Radio Unit (RU) deployment?

- A. RRU consumes less power
- B. RRU provides for easier legalization of the equipment
- C. RRU provides easier deployment and maintenance.
- D. RRU has lower feeder loss

Answer: D

Question: 2

What are two benefits of massive MIMO? (Choose two.)

- A. It serves many users in the same time and frequency with a single element antenna
- B. It increases SINR by focusing a signal toward an individual user
- C. It serves many spatially separated users in the same time and frequency.
- D. It increases throughput by allowing access to larger spectrum slices.

Answer: C,D

Question: 3

Several operators are using a Multi Operator Core Network (MOCN) with the Shared LTE RAN feature. Which element is shared by the operators in this scenario?

- A. eNodeB
- B. IMS
- C. MME
- D. SGW

Answer: A

Question: 4

Which two statements about physical resource blocks (PRB)s are correct? (Choose two.)

- A. The maximum number of assigned PRBs for a TTI can exceed the number of available PRBs in the cell for that TTI.
- B. The DL PRB distribution is not affected by the number of active cell users in the cell
- C. A higher throughput is expected when more DL PRBs are assigned to a user for a TTI
- D. The number of PRBs assigned for a user is dependent on the number of active users in the cell.

Answer: C,D

Question: 5

Which multiple access technique is used In LTE radio DL?

- A. Single Carrier Frequency Division Multiple Access (SC-FDMA)
- B. Time Division Multiple Access (TDMA)
- C. Code Division Multiple Access (CDMA)
- D. Orthogonal Frequency Division Multiple Access (OFDMA)

Answer: D

Question: 6

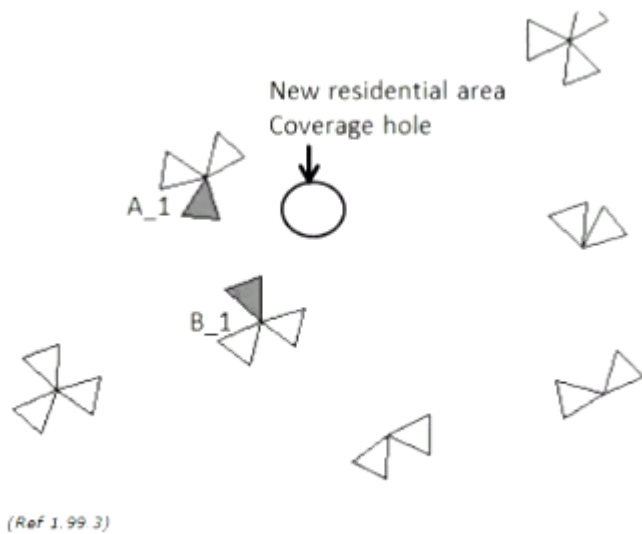
A customer has Identified problems In an Indoor, medium loaded, urban area of a GSM/WCDMA collocated network. The problem seems to be in the uplink. The signal level received by the problematic site is high, and the downlink signal in the problematic area is acceptable. Which two actions would you use to troubleshoot the issue? (Choose two.)

- A. Add a pico cell In the same RAT and frequency
- B. Run a passive inter-modulation (PIM) analysis.
- C. Decrease base station transmission power.
- D. Investigate external interference

Answer: B,D

Question: 7

Review the exhibit.



A new residential area has recently been built showing a lack of 3G uplink coverage as shown in the exhibit. The terrain is flat and all the buildings in the area are 20 meters in height with no other relevant direct obstacles. What should be applied to cells A_1 and B_1 to provide 3G service to the new area knowing that both cells have a soft handover (SHO) factor of 1.9?

- A. Increase the CPICH power.
- B. Increase the electrical downtilt.
- C. Reduce the antenna height
- D. Change the azimuth

Answer: D

Question: 8

What are two benefits of using VoLTE for speech calls? (Choose two.)

- A. VoLTE allows the end user to remain connected to the 4G network while on a voice call.
- B. VoLTE provides the ability to refarm legacy spectrum for newer technologies.
- C. VoLTE maintains circuit switched functionality in a 4G network
- D. VoLTE provides a dedicated spectral channel for voice that is physically separated from other packet services