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Q&A

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Exam : **4A0-255**

Title : Nokia Advanced Optical Network Design

Version : DEMO

1.Which of the following best describes Four Wave Mixing (FWM)?
A. FWM is a linear impairment that produces crosstalk four adjacent wavelengths are used.
B. FWM is a non-linear impairment that produces crosstalk at the sum and difference of two wavelengths.
C. FWM is a non-linear impairment resulting from varying velocities at different frequencies.
D. FWM is a linear impairment resulting from pulses broadening over ultra-longdistances
Answer: A

2.Which of the following statements about the recovery time for protection and restoration combined (PRC) is correct?
A. PRC can be as fact as sub-network connection protection (SNCP)
B. PRC is as fast as restoration mechanisms.
C. PRC has a recovery time that depends on the broken links.
D. PRC has a typical recovery time greater than 50 ms.
Answer: B

3.Which of the following best describes Flexgrid?
A. Flexgrid is based on flexible amplification stages
B. Flexgrid uses flexible guardband that can take any spacing.
C. Flexgrid is defined on a frequency grid spacing based on ,multiples of 12.5 GHz.
D. Flexgrid allows channel bandwidth central frequencies and guardband to take any value in the spectrum range.
Answer: A

4.Consider the exhibit that shows the OTN frame structure.

Which of the following sets of label is correct?
A. OUT: B: ODU: C: OPU: D: OPU
B. OUT: B: ODU: C: OPU: D: OCH
C. OPU: B: OTU: C: ODU: D: OPU
D. ODU: B: OYU: C: OPU: D: OPU
Answer: C

5.What is precision Time Protocol (PTP) designed for?
A. Precise time measurements
B. Synchronization of encryption entities
C. Shortest path discovery

D. Packet-based timing distribution
Answer: B