

Enlace

RTDC Chapter 1

Volver a la Lista de Exámenes

Parte 1 de 1 - 10.0 / 10.0 Puntos

Preguntas 1 de 6	1.5
1.5 Puntos	

The traffic growth demand for generation and processing vs transport is, respectively:

- ☒ A. 60% and 20% average
- ☐ B. 60% for both
- ☐ C. 20% for both
- ☐ D. 20% and 60% average

Preguntas 2 de 6	2.0
2.0 Puntos	

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A system of 10T running today at 40G will be exhausted (fully occupied) for an annual traffic growth rate of 60% in 11.7 years.

Preguntas 3 de 6	2.0
2.0 Puntos	

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In a system with SNR = 25 dB we need to increase the capacity by 10%. How much does the SNR need to increase? 27.5 dB.

Preguntas 4 de 6	2.0
2.0 Puntos	

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A 2 Pb/s system using 50 wavelengths (100GHz spacing) with spectral efficiency of 4 b/s/Hz requires 100 parallel spatial paths.

Preguntas 5 de 6	1.0
1.0 Puntos	

In spectral super-channels ASIC co-processing of 10 interferers allows for a processing gain of:

- ☐ A. above 2 dB
- ☒ B. slightly above 1 dB
- ☐ C. below 1 dB

Preguntas 6 de 6	1.5
1.5 Puntos	

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A hybrid super-channels (WDM x SDM) of 2 Pb/s system using 50 wavelengths at 1T per wavelength requires 40 SDM paths.