

RTDC_T3_PRUEBA_EXTERNA - GRUPO MAÑANA

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Parte 1 de 1 - 10.0 / 10.0 Puntos

Preguntas 1 de 6	2.0
2.0 Puntos	

Which of the following modulation formats (there are more than one) has no carrier in its spectrum?

- ☒ A. CSRZ-OOK
- ☒ B. DB
- ☒ C. AMI
- ☐ D. RZ-OOK

Preguntas 2 de 6	1.0
1.0 Puntos	

To generate Duobinary we need to bias a Mach Zehnder Modulator at the quadrature point.

- ☐ Verdadero
- ☒ Falso

Preguntas 3 de 6	2.0
2.0 Puntos	

[Pulse para ver instrucciones adicionales](#)

The required value of the Optical Signal to Noise Ratio for Duobinary at 10 Gb/s after crossing 10 OADMs is 11.2 dB

Preguntas 4 de 6	2.0
2.0 Puntos	

For a WDM system carrying 10 Gb/s per channel, a channel separation of 100 GHz and a dispersion parameter of 17 psec/Km.nm the dominant source of nonlinearity is:

- ☐ A. XPM
- ☐ B. IFWM
- ☒ C. SPM
- ☐ D. FWM

Preguntas 5 de 6	1.0
1.0 Puntos	

A pulse carver is a delayed interferometer where the incoming and the delayed signals are added.

- ☐ Verdadero
- ☒ Falso

Preguntas 6 de 6	2.0
2.0 Puntos	

In a 100 Km optical fiber link made of standard SMF-28 fiber with dispersion parameter 17 psec/Km.nm we are able to compensate up to 95% of the total dispersion. Which of the following modulation formats cannot be employed?

- ☐ A. DB
- ☒ B. NRZ
- ☒ C. NRZ-DPSK
- ☐ D. NRZ-DQPSK