☑ EXÁMENES	Pulse para salir de pantalla completa	% Enlace
RTDC_T4_PRUEBA_DE_CASA_2022		
Volver a la Lista de Exámenes		
Parte 1 de 1 - / 9.0 Puntos		
Preguntas 1 de 10		
1.0 Puntos		

Preguntas 1 de 10	1.0 Puntos	
In a coherent optical communication system the power of the A. Of the same order of magnitude than that of the signal  B. Much smaller than that of the signal coming from the li  C. Much smaller than that of the signal coming from the li  D. Much bigger than that of the signal coming from the lin	nk.	
Preguntas 2 de 10		
If the state of polarization of the signal from the fiber link of a  Verdadero  Falso	0.5 Puntos  coherent system is linearly polarized then the the state of polarization of the local	l oscillator can be circular.
Preguntas 3 de 10		
	1.0 Puntos	
Select two correct statements about homodyne systems with  A. The frequency of the local oscillator and the transmitte  B. The attainable signal to noise ratio at the receiver unde  C. They do not allow I-Q modulation  D. None of the above		ency) is half of that attainable with a heterodyne detection.
Preguntas 4 de 10	1.0 Puntos	
Select the correct strategy to combat polarization mismatch.  A. Use a phase diversity receiver  B. Use balanced detection  C. Use homodyne detection  D. Use a 2x2 MIMO algorithm in the receiver DSP	effect in coherent systems	
Preguntas 5 de 10	0.5 Puntos	
○ Verdadero	effect of thermal noise because it substracts the contributions of both detection	branches
● Falso		
Preguntas 6 de 10	1.0 Puntos	
Preguntas 6 de 10  Regarding modern coherent optical communication systems  A. Detection employs heterodyne approach with only one  B. Detection employs homodyne approach with the two positions.  C. The detected signal is composed of independent in-phase	choose two correct statements: polarization being selected and balanced detection to demodulate both in-phase	oress RIN and phase diversity demodulate both in-phase and quadrature components
Preguntas 6 de 10  Regarding modern coherent optical communication systems  A. Detection employs heterodyne approach with only one  B. Detection employs homodyne approach with the two positions.  C. The detected signal is composed of independent in-phase	choose two correct statements:  polarization being selected and balanced detection to demodulate both in-phase olarizations being selected by of polarization diversity balanced detection to suppose and quadrature components for both polarizations. A total of four data stream	oress RIN and phase diversity demodulate both in-phase and quadrature components
Preguntas 6 de 10  Regarding modern coherent optical communication systems  A. Detection employs heterodyne approach with only one  B. Detection employs homodyne approach with the two p  C. The detected signal is composed of independent in-pha	choose two correct statements:  polarization being selected and balanced detection to demodulate both in-phase olarizations being selected by of polarization diversity balanced detection to suppose and quadrature components for both polarizations. A total of four data stream	oress RIN and phase diversity demodulate both in-phase and quadrature components
Preguntas 6 de 10  Regarding modern coherent optical communication systems  A. Detection employs heterodyne approach with only one  B. Detection employs homodyne approach with the two p  C. The detected signal is composed of independent in-pha	choose two correct statements:  polarization being selected and balanced detection to demodulate both in-phase olarizations being selected by of polarization diversity balanced detection to suppose and quadrature components for both polarizations. A total of four data streams are and quadrature components for one polarization. A total of two data streams.  1.0 Puntos  Choose two correct statements:  the local oscillator and the optical noise field.  the double Raman scattering.  The signal and the optical noise field.	oress RIN and phase diversity demodulate both in-phase and quadrature components
Preguntas 6 de 10  Regarding modern coherent optical communication systems  A. Detection employs heterodyne approach with only one  B. Detection employs homodyne approach with the two p  C. The detected signal is composed of independent in-pha  D. The detected signal is composed of independent in-pha  Preguntas 7 de 10  Regarding modern optical coherent communication systems  A. The dominant noise source is the beat noise between the B. The dominant contribution to the optical noise field is the contribution to the optical noise field is the contribution to the optical noise between the contribution to the optical noise between the contribution to the optical noise field is the contribution to the optical noise between the contribution to the optical noise field is the co	choose two correct statements: polarization being selected and balanced detection to demodulate both in-phase polarizations being selected by of polarization diversity balanced detection to suppose and quadrature components for both polarizations. A total of four data stream see and quadrature components for one polarization. A total of two data streams.  1.0 Puntos  1.0 Puntos  choose two correct statements: the local oscillator and the optical noise field. the double Raman scattering. the signal and the optical noise field. the amplified spontaneous emission.	oress RIN and phase diversity demodulate both in-phase and quadrature components
Preguntas 6 de 10  Regarding modern coherent optical communication systems  A. Detection employs heterodyne approach with only one  B. Detection employs homodyne approach with the two p  C. The detected signal is composed of independent in-pha  D. The detected signal is composed of independent in-pha  Preguntas 7 de 10  Regarding modern optical coherent communication systems  A. The dominant noise source is the beat noise between t  B. The dominant contribution to the optical noise field is t  C. The dominant noise source is the beat noise between t  D. The dominant contribution to the optical noise field is t  Preguntas 8 de 10	choose two correct statements:  polarization being selected and balanced detection to demodulate both in-phase olarizations being selected by of polarization diversity balanced detection to suppose and quadrature components for both polarizations. A total of four data streams are and quadrature components for one polarization. A total of two data streams.  1.0 Puntos  Choose two correct statements:  the local oscillator and the optical noise field.  the double Raman scattering.  The signal and the optical noise field.	ress RIN and phase diversity demodulate both in-phase and quadrature components s.
Preguntas 6 de 10  Regarding modern coherent optical communication systems  A. Detection employs heterodyne approach with only one  B. Detection employs homodyne approach with the two p  C. The detected signal is composed of independent in-pha  D. The detected signal is composed of independent in-pha  Preguntas 7 de 10  Regarding modern optical coherent communication systems  A. The dominant noise source is the beat noise between the communication of the optical noise field is the communication of the op	choose two correct statements: polarization being selected and balanced detection to demodulate both in-phase olarizations being selected by of polarization diversity balanced detection to supplies and quadrature components for both polarizations. A total of four data streams are and quadrature components for one polarization. A total of two data streams.  1.0 Puntos  choose two correct statements: the local oscillator and the optical noise field. The double Raman scattering. The signal and the optical noise field. The amplified spontaneous emission.	ress RIN and phase diversity demodulate both in-phase and quadrature components s.
Regarding modern coherent optical communication systems A. Detection employs heterodyne approach with only one B. Detection employs homodyne approach with the two p C. The detected signal is composed of independent in-pha D. The detected signal is composed of independent in-pha D. The detected signal is composed of independent in-pha A. The dominant noise source is the beat noise between t B. The dominant contribution to the optical noise field is t C. The dominant noise source is the beat noise between t D. The dominant contribution to the optical noise field is t D. The dominant contribution to the optical noise field is t Freguntas 8 de 10  When solving the Generalized Nonlinear Schrödinger equation Verdadero Falso	choose two correct statements: polarization being selected and balanced detection to demodulate both in-phase olarizations being selected by of polarization diversity balanced detection to supplies and quadrature components for both polarizations. A total of four data streams are and quadrature components for one polarization. A total of two data streams.  1.0 Puntos  choose two correct statements: the local oscillator and the optical noise field. The double Raman scattering. The signal and the optical noise field. The amplified spontaneous emission.	ress RIN and phase diversity demodulate both in-phase and quadrature components s.
Regarding modern coherent optical communication systems A. Detection employs heterodyne approach with only one B. Detection employs homodyne approach with the two p C. The detected signal is composed of independent in-pha D. The detected signal is composed of independent in-pha D. The detected signal is composed of independent in-pha A. The dominant noise source is the beat noise between t B. The dominant contribution to the optical noise field is t C. The dominant contribution to the optical noise field is t D. The dominant contribution to the optical noise field is t Freguntas 8 de 10  When solving the Generalized Nonlinear Schrödinger equation Verdadero Falso	thoose two correct statements: polarization being selected and balanced detection to demodulate both in-phase olarizations being selected by of polarization diversity balanced detection to suppose and quadrature components for both polarizations. A total of four data streams are and quadrature components for one polarization. A total of two data streams.  1.0 Puntos  1.0 Puntos  thoose two correct statements: the local oscillator and the optical noise field. the double Raman scattering. the signal and the optical noise field. the amplified spontaneous emission.  1.0 Puntos  1.0 Puntos  1.0 Puntos	ress RIN and phase diversity demodulate both in-phase and quadrature components s.
Regarding modern coherent optical communication systems A. Detection employs heterodyne approach with only one B. Detection employs homodyne approach with the two p C. The detected signal is composed of independent in-pha D. The detected signal is composed of independent in-pha D. The dominant noise source is the beat noise between t B. The dominant contribution to the optical noise field is t C. The dominant contribution to the optical noise field is t D. The dominant contribution to the optical noise field is t Freguntas 8 de 10  When solving the Generalized Nonlinear Schrödinger equation Falso  Preguntas 9 de 10  The most limiting factor of those listed below for the capacity A. The signal-signal intrachannel nonlinearity.  B. The signal-noise intrachannel nonlinearity. C. The signal-noise intrachannel nonlinearity.	thoose two correct statements: polarization being selected and balanced detection to demodulate both in-phase olarizations being selected by of polarization diversity balanced detection to suppose and quadrature components for both polarizations. A total of four data streams are and quadrature components for one polarization. A total of two data streams.  1.0 Puntos  1.0 Puntos  thoose two correct statements: the local oscillator and the optical noise field. the double Raman scattering. the signal and the optical noise field. the amplified spontaneous emission.  1.0 Puntos  1.0 Puntos  1.0 Puntos	ress RIN and phase diversity demodulate both in-phase and quadrature components s.

The second state of the list below the functions carried by the electronic DSP stage in modern coherent systems

✓ A. Group velocity dispersion compensation

□ B. Phase diversity detection

✓ C. Polarization mode dispersion compensation

□ D. Radiofrequency downconversion