ESCUELA SUPERIOR POLITECNICA DEL LITORAL

FACULTAD DE INGENIERIA EN ELECTRICIDAD Y COMPUTACION

LICENCIATURA EN REDES Y SISTEMAS OPERATIVOS

COMUNICACIÓN DE DATOS

I TERMINO 2011-2011 TERCERA EVALUACION

NOMBRE: …………………………………………………………………………….…

1.- Responda a las siguientes preguntas (40 puntos)

1. Enumere los 3 tipos de modulaciones que utilizan datos digitales, señales analógicas
2. ¿Cuál es la función principal de la capa de transporte?
3. Mencione una ventaja de la fibra óptica frente al cable coaxial
4. Mencione 3 métodos de detección de errores
5. Mencione una razón de porque los enlaces punto a punto son imprácticos
6. Enumere las diferentes capas del modelo OSI
7. Enumere 3 categorías de ruido
8. ¿Cuál es la diferencia entre una antena omnidireccional y una parabólica?
9. ¿Qué es la atenuación?
10. Defina la capacidad de un canal

2.- En la siguiente hoja cuadriculada codificar la siguiente secuencia binaria: 10011011011010101 usando codificación NRZ, NRZI, AMI, Pseudoternario, Manchester y Manchester Diferencial (30 puntos)

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3.- Realizar el método de corrección de errores CRC por **lógica digital** con los siguientes datos: (30 puntos)

M(X)= X10+X9+ X7+ X5+X2+1

Generador Polinomial: X5+X3+X2+1



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