

Digital Continuous Wave Modulation – QUZ- 23/2

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Select 20 only

1. What is detection method called when the local carrier at the receiver is phase-locked with the transmitter carrier?

- A) Non-coherent Detection
- B) Envelop Detection
- C) Synchronized Detection

2. What is a major two requirements for any digital communication system?

3. In BFSK the digital signal modulates the----- of the carrier

4. What is the nature of DCW modulation output -----

5. DCW Modulation output suffer from symbol interference, Yes or No -----

6. DCW Modulation output can be transmitted over Radio Channel, Why?

7. Digital modulation techniques vary the carrier in:

- A) Continuous steps
- B) Discrete steps

8. DCW Modulation used to transmits ----- signal for long distance

9. ASK results when digital signal keying the -----of carrier

10. FSK results when digital signal keying the-----of the carrier

11. In QPSK, two successive bits are grouped into: -----

12. the primary benefit of grouping bits into symbols in QPSK is

13. If the input bit rate to a QPSK IS 10 Mbps, the symbol rate will be-----

14. If the input bit rate to a QPSK IS 10 Mbps, the BW will be-----

15. What is the phase shift in QPSK for successive symbol, if the 1st one at 45°

16. . What type of modulation reduces both transmission power and channel bandwidth?

- a) Frequency Modulation
- b) Quadrature Phase Shift Keying

17. If the input bit rate to a BPSK IS 20 Mbps, the symbol rate will be-----

18. If the input bit rate to a BPSK IS 10 Mbps, the BW will be-----

19. Typical channels can be used to transmits the output signal of DCM, because

20. the DCW modulation is used to transmit

- a. Analog signal b. Digital signal c. Discrete Signal

21 . In BPSK receiver, the integration is done over one bit duration, while in QPSK, the integration is done over two bits duration

22. For a 100 Mbps digital input to a BPSK system, Calculate

Bit duration(T_b), Symbol Duration (T_s) , Symbol rate (F_s)

23. For a 250 Mbps digital input to a QPSK system, Calculate

Bit duration(T_b), Symbol Duration (T_s) , Symbol rate (F_s)

