

Analog Communication System

Quiz

1. Name of the student *

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2. Enrollment of the student *

21BEC1851

Question

3.

1. Which one is correct option for pulse width modulation?

(1 Point) *

- ☐ Synchronization is not required between transmitter and receiver
- ☒ Amplitude of the carrier pulse is varied
- ☐ Instantaneous power at the transmitter is constant
- ☐ None of the above

4. What are the drawback of pulse position modulation? (1 Point) *

- ☐ Large bandwidth is required as compared to PAM

- ☐ Synchronization is required between transmitter and receiver
- ☒ All of above
- ☐ None of above

5. Choose the correct option about the advantages of the angle modulation over amplitude modulation? (1 Point) *

- ☐ Noise reduction
- ☐ Improved system fidelity
- ☐ Efficient use of power
- ☒ All of the above

6. What will happen in analog communication, when electronic noise and disturbance is introduced into transmission channel ? (1 Point) *

- ☒ Reduces signal to noise ratio
- ☐ Increases signal to noise ratio
- ☐ Improves signals amplitude
- ☐ None of the above

7. What is the Discretized amplitude modulation ? (1 Point) *

- ☐ Angle modulation
- ☐ Amplitude modulation

- ☐ Pulse amplitude modulation
- ☒ None of the above

8. Which one is the main function of the envelope detector? (1 Point) *

- ☐ It detects AM wave with high frequency
- ☐ It detects FM wave high frequency
- ☐ It detects PM wave high frequency
- ☒ None of the above

9. Choose the correct statement for pulse width modulation? (1 Point) *

- ☐ The pulse amplitude is varied with respect to instantaneous values of baseband modulating signal
- ☒ The pulse width is varied with respect to instantaneous values of baseband modulating signal
- ☐ The pulse position is varied with respect to instantaneous values of baseband modulating signal
- ☐ The pulse duration is varied with respect to instantaneous values of baseband modulating signal

10. Which of the following comes under continuous wave modulation? (1 Point) *

- ☐ Amplitude modulation
- ☐ Angle modulation
- ☐ Analog modulation

☐ Digital modulation

☒ Both a and b

11. Messages generated in an input source block of analog communication can be in which form? (1 Point) *

☐ Words, group of words

☐ Symbols

☒ a and b

☐ None

12. In which type of modulation step size is not fixed? (1 Point) *

☐ How many categories does the modulation index have?

☐ 1

☒ 2

☐ 3

☐ 4

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