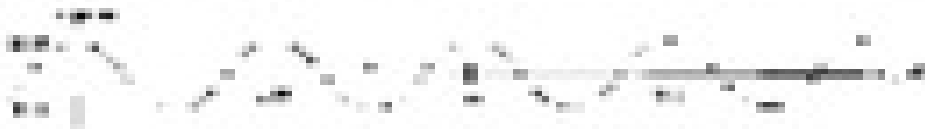


1. Through which of the following is the general solution of the given differential equation obtained?



- a. Characteristic equation of the wave
- b. Characteristic equation of the wave
- c. Characteristic frequency of the wave
- d. Characteristic period

2. A particle is moving with a constant velocity of 10 m/s.

- a. What is the frequency?
- b. What is the period?
- c. What is the amplitude?
- d. What is the phase?

3. What is the frequency of the wave function $y(x,t) = \sin(2\pi x + 4\pi t)$?

4. A particle is moving with a constant velocity of 10 m/s. What is the frequency of the wave function $y(x,t) = \sin(2\pi x + 4\pi t)$?

5. A particle is moving with a constant velocity of 10 m/s. What is the frequency of the wave function $y(x,t) = \sin(2\pi x + 4\pi t)$?

- a. Characteristic equation of the wave
- b. Characteristic frequency of the wave
- c. Characteristic period
- d. Characteristic amplitude