

A. $\lambda/2$

B. $\lambda/4$

C. λ

D. 2λ

Answer: Option A

7. The distance between consecutive node and antinode is

A. λ

B. $\lambda/2$

C. 2λ

D. $\lambda/4$

Answer: Option D

8. If stretching force T of wire increases, then its frequency

A. decreases

B. increases

C. remains the same

D. any of above

Answer: Option B

9. A stationary wave is set up in the air column of a closed pipe. At the closed end of the pipe

A. always a node is formed

B. always an antinode is formed

C. neither node nor antinode is formed

D. sometimes a node and sometimes an antinode is formed

Answer: Option A

10. It is possible to distinguish between transverse and longitudinal waves from the property of

A. refraction

B. polarization

C. interference

D. diffraction

Answer: Option B