

# BHARAT SCHOOL OF BANKING

## PHYSICS

1. Sound waves in air are \_\_\_\_\_ waves.

- A. Radio
- B. Longitudinal
- C. Electromagnetic
- D. Transverse

Ans. B

2. Transverse waves can propagate—

- A. not in a gas but in a metal
- B. in a gas but not in a metal
- C. neither in gas nor in metal
- D. both in a gas and in a metal

Ans. A

3. Mechanical waves—

- A. Transverse only
- B. longitudinal only
- C. can be both longitudinal and transverse
- D. none of the above

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Ans. C

4. Ultrasonic waves are those waves which—

- A. Human beings can hear
- B. Human beings cannot hear
- C. Have large amplitude
- D. Have high velocity

Ans. B

5. Ultrasonic waves can be detected by—

- A. Quinck's tube
- B. Kundt's tube
- C. Hebb's method
- D. Telephone

Ans. B

6. When a wave goes from one level to another, there is a change in the—

- (i) amplitude

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(ii) wavelength

(iii) velocity

(iv) frequency

A. only (ii)

B. only (iv)

C. (i),(ii)

D. (i),(ii) and (iii)

Ans. D

7. Why are ultrasonic waves used for stirring liquid solutions?

A. do not produce chemical reactions in the solution

B. can produce perfectly homogeneous solution

C. are easy to produce

D. do not produce noise during the operation

Ans. B

8. Sound can be transmitted as

A. Longitudinal mechanical waves

B. transverse mechanical waves

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C. both (A) & (B)

D. Neither (A) nor (B)

Ans. C

9. Sound wave cannot pass through which of the following?

A. An ideal gas

B. A liquid gas mixture

C. A perfect vacuum

D. A solid-liquid mixture

Ans. C

10. The frequency of sound waves can be expressed in—

A.  $s^{-1}$

B. Hz

C. Cycles/second

D. All of the above

Ans. D