

# NEET Sample Paper for Physics

Q.1 Which of the following has/have zero average value in a plane electromagnetic wave?

- (1) Both magnetic and electric fields
- (2) Electric field only
- (3) Magnetic field only
- (4) Magnetic energy

Q.2 When light enters from air to water, then its;

- (1) frequency increases and speed decreases.
- (2) frequency is same, but the wavelength is smaller in water than in air.
- (3) frequency is same but the wavelength in water is greater than in air.
- (4) frequency decreases and wavelength is smaller in water than in air.

Q.3 Which of the following is incorrect?

- (1) Photon is a particle with zero rest mass.
- (2) Photon is a particle with zero momentum.
- (3) Photon travel with velocity of light in vacuum.
- (4) Photon even feel the pull of gravity.

Q.4 As the frequency of an alternating current increases, the impedance of the circuit \_\_\_\_\_.

- (1) increases continuously
- (2) decreases continuously
- (3) remains constant
- (4) None of the above

Q.5 The fundamental frequency of a closed organ pipe of length 20 cm is equal to the second overtone of an organ pipe open at both ends. The length of organ pipe open at both the ends is;

- (1) 100cm
- (2) 120cm
- (3) 140 cm
- (4) 80 cm