

Physics Entrance Questions and Answers Pdf

Question: 1

An egg when placed in ordinary water sinks but floats when placed in brine. This is because

- (A) Density of brine is less than that of ordinary water
- (B) Density of brine is equal to that of ordinary water
- (C) Density of brine is greater than that of ordinary water
- (D) None of these

Ans: C

Density of brine is greater than that of ordinary water

Question: 2

Which one of the following planets is said to be “twin sister” of the Earth?

- (A) Mars
- (B) Mercury
- (C) Venus
- (D) Jupiter

Ans: C

Venus

Question: 3

Which one among the following lasers is used in cancer treatment?

- (A) Semiconductor laser
- (B) He-Ne laser
- (C) CO₂ laser

(D) Semiconductor laser

Ans: C

CO₂ laser

Question: 4

Optical fibres mainly used in communication is based on

(A) total internal reflection

(B) less absorption coefficient

(C) less scattering

(D) refraction

Ans: A

total internal reflection

Question: 5

Who had showed that the electric and magnetic waves are equal in vacuum?

(A) Albert Einstein

(B) Werner Heisenberg

(C) Isaac Newton

(D) James Clerk Maxwell

Ans: D

James Clerk Maxwell