KEAM 2024 June 7 (Day 3) Answer Key (Unofficial)

Q. 1

When every light travels from rarer medium to a denser medium its
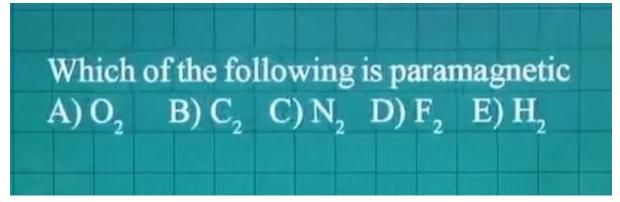A) frequency increases   B) wavelength increases   C) frequency decreases
D) wavelength decreases   D) wavelength constant

Answer: A

Q. 2

Which of the following is acidic oxide
A) CrO_3 B) CrO C) V_2O_4 D) V_2O_5

Answer: A

Q. 3

Which of the following is paramagnetic
A) O_2 B) C_2 C) N_2 D) F_2 E) H_2

Answer: A

Q. 4

If two samples of size 30 and 40 have Arithmetic means 3s and 42 respectively. Then the combined mean of 70 samples is

Answer: 27

Q. 5

The zeroth law of thermodynamics leads to the concept of
A) carnot engine B) work   C) temperature D) Heat   E) internal energy

Answer: Temperature

Q. 6

When every light travels from rarer medium to a denser medium its
A) frequency increases   B) wavelength increases   C) frequency decreases
D) wavelength decreases   D) wavelength constant

Answer: C

Q. 7

Kjeldhals method can be used to estimate N_2 in —

Answer: Organic compounds.

Q. 8

10g of alcohol is dissolved in 90g of H_2O % of alcohol in soln is

Answer: 10%

Q. 9

The electronic configuration of Pd (z = 46)

Answer: [Kr]4d^10

Q. 10

Answer: