IIT JAM 2023 Physics Question Paper (Memory Based)

Question. If potential of sphere of radius R is V and potential of concentric sphere of radius 2R is 2V. Then find the potential at distance 3R/2

Question. If ground state energy of infinite potential well of length L1 is equal to second excited state energy of another infinite potential well of length L2 . Then what is ratio L1/L2?

Question. Energy band diagram with Fermi energy level for extrinsic p type semiconductor

Question. Sum of Eigen value 7.75

Question. What is the trace of I+A+A²

Question. Directional based question of 220 related to XY plane

Question. Fermi dirac clasical and bosonic particle will apply same pressure or diffrent pressure when kept in container?

Question. Compressibility factor k and beta are given. If dv/v is perfect differential which relation is correct?

Question. Relation between dB/dp and dK/dT

Question. Vicosity of dilute ideal gas?

Question. f(x)=| |x| -1 | then graph of f(x)?

Question. β = 100 ,base side R1 and R2 or Vc, Find VCC.

Question. What is RMS speed / Vmost probable ratio

Question. Eigen value of I+A+A² ka