

GATE 2024 Question Paper Feb 3 (Chemistry)

GATE General Aptitude Questions

GATE Core Discipline Questions

Ques 1. $\Psi(x) = \sqrt{(32/L^3)[\sin(\pi x/L).\cos(\pi x/L)^*\sin(2\pi y/L).\sin(\pi z/L)]}$ Find the value of E₂₂₁ : E₁₁₁.

Ans. 3:1

Ques 2. Ques 2.

Ans. Picric acid



intensity ratio of final product

Ans. 1:3:3:1

Ques 4. which are optically active A. cis Co(en)2Cl2



- B. trans Co(en)2Cl2
- C. Co(acac)3
- D. Co(en)3

Ans. A,B,D



, k1=2k2, find the initial

concentration of A.

Ans. 22.5

Ques 6. Which among the following is true?

- A. 2od and oh are present in benzene
- B. σv in BF3 but not in PCI5
- C. C2 in H2O2
- D. both C2 and C3 are in NH3 and BF3

Ans. C