

# MHT CET 2024 Question Paper (May 3 - Shift 1) PCM

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## Chemistry Questions

**Ques.** Question related to hcp > Co-ordination no.

**Ques.** Question related to Density (FCC)

**Ques.** Question related to Gibbs Energy

**Ques.** Question related to Amino Acid

**Ques.** Question related to Structure of Glucose

**Ques.** Question related to Find Homopolymer

**Ques.** Question related to Preparation of Benzaldehyde.

**Ques.** Question related to Find Zero Order Reaction.

**Ques.** Question related to Rosenmund Reaction

**Ques.** Question related to Solubility

**Ques.** Question related to Molar Conductivity

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## Physics Questions

**Ques.**  $^{206}_{82}\text{Pb}$ ,  $\alpha$ ,  $\beta$  particles emitted are

**Ques.** Two bodies spherically R1,R2 Temp T1,T2 radiate power then, R1:R2

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## Mathematics Questions

**Ques.** The number of four letter words that can be formed using the letters of the word barrack is

- A. 120
- B. 264
- C. 270
- D. 144

**Ans.** C

**Ques.** If  $x^y = e^{x-y}$ , at  $x = 1$ ,  $dy/dx = ?$

**Ques.** If the half life of the sample is 5 years and the initial weight of the sample is 64 gm, then the weight remaining after 15 years is?

**Ques.** Switching current of  $(p \wedge q) \vee (\neg p \wedge (\neg q \vee p \vee r))$

**Ques.** No. of 4 letter words which can be formed by using word "BARRACK"

**Ques.**  $y = \sec(\tan^{-1}x)$   $dy/dx = ?$ , given that  $x = 1$

**Ques.** Value of  $(a+b).p + (b+c).q + (c+a).r = ?$