

By. Er. Dharmendra Sir

7974073108, 9584873492

# DPM CLASSES

6th to 10th (Math's & Science), 11th & 12th (Physics, Chemistry, Math's)

---

**TEST - PAPER (CBSE/NCERT)**

**CHEMICAL KINETICS**

**SESSION -2024-25**

**CLASS - 12<sup>th</sup>**

**JOIN TODAY FOR ADVANCE CONCEPTS**

**ONLY IN ₹3000 PER MONTH**

**MRP: ₹ 100/- ONLY**

**ALSO, BASIC CONCEPTS CLASSES IN SUMMER**

**VACATION Apr, May & Jun (Every Year)**

# DPM CLASSES

6th to 10th (Math's & Science), 11th & 12th (Physics, Chemistry, Math's)

Time : 1 hr : Chemical Kinetics : - mm.

Q.1. State a condition under which a bimolecular reaction is kinetically first order reaction.

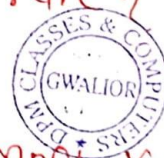
Q.2. How can you determine the rate law of the following reaction ?



Q.3. Derive an expression to calculate time required for completion of zero order reaction.

Q.4. For a zero order reaction will the molecularity be equal to zero ? Explain ?

Q.5. What is the probability of reaction with molecularity higher than three very rare ?



Q.6. Why in the redox titration of  $\text{KMnO}_4$  vs oxalic acid, we heat oxalic acid solution before starting the titration ?

# DPM CLASSES

6th to 10th (Math's & Science), 11th & 12th (Physics, Chemistry, Math's)

Q.7. Why molecularity is applicable only for elementary reactions and order is ~~application~~ applicable for elementary as well as complex reactions?



Q.8. Why can we not determine the order of a reaction by taking into consideration the balanced chemical equation?

Q.9. Explain the difference b/w instantaneous rate of a reaction and average rate of reaction.



Q.10. With the help of an example explain what is meant by pseudo first order reaction.

By. Er. Dharmendra Sir

7974073108, 9584873492

# DPM CLASSES

6th to 10th (Math's & Science), 11th & 12th (Physics, Chemistry, Math's)

---





By. Er. Dharmendra Sir

7974073108, 9584873492

# DPM CLASSES

6th to 10th (Math's & Science), 11th & 12th (Physics, Chemistry, Math's)

---



By. Er. Dharmendra Sir

7974073108, 9584873492

# DPM CLASSES

6th to 10th (Math's & Science), 11th & 12th (Physics, Chemistry, Math's)

---



By. Er. Dharmendra Sir

7974073108, 9584873492

# DPM CLASSES

6th to 10th (Math's & Science), 11th & 12th (Physics, Chemistry, Math's)

---



By. Er. Dharmendra Sir

7974073108, 9584873492

# DPM CLASSES

6th to 10th (Math's & Science), 11th & 12th (Physics, Chemistry, Math's)

---





By. Er. Dharmendra Sir

7974073108, 9584873492

# DPM CLASSES

6th to 10th (Math's & Science), 11th & 12th (Physics, Chemistry, Math's)

---



By. Er. Dharmendra Sir

7974073108, 9584873492

# DPM CLASSES

6th to 10th (Math's & Science), 11th & 12th (Physics, Chemistry, Math's)

---

