



RECOMMENDED STUDY PLAN: REWRITE 2025

ALLOCATE 3-4 HOURS DAILY FOR PHYSICAL SCIENCES

NOTE!!

- Use the plan as a GUIDE
- You do not have to follow the same order
- Start with your weakest sections
- A blank grid is provided for you at the end to use to plan YOUR PERSONAL STUDYING
- If possible complete all the questions.
- If not, do as many as possible from each question type
Use the checklist on page 2 of your PhysBuddy
- Make sure you understand what you are doing

*Believe In Yourself
Work Hard
Do your BEST
Smash Those Goals!*

1. MOMENTUM: PAPER 1

| | | Summary And Examples | Videos | Practice Questions |
|--------------|---------------------------------------------------------------------|---------------------------------|---------------|----------------------------------|
| DAY 1 | Impulse and net force | 65,66, | 1 | 75, |
| | Law of conservation of momentum Elastic and inelastic collisions | 67,68,69 | 2,3 | 76,77,80,84,85,57 |
| | Graphs | 70 | 4 | 78,79,81,89 |
| DAY 2 | Block/bullet with equations of motion Experiment type questions | | MCQ video | 78,8,82,85,88 MCQ 71,72,73 |

2. VERTICAL PROJECTILE MOTION: PAPER 1

| | | Summary And Examples | Videos | Practice Questions |
|----------------|----------------------------------------------------------------------------|---------------------------------|---------------|-----------------------------------------|
| DAY 1 | - Basic questions and basic graphs - And hot air balloon type questions | 91-96 | 1-5 | 106,107,108,109,110, 111,112,113,132 |
| DAY 2,3 | Bouncing Ball and Momentum Bouncing Ball Graph Interpretation | 97-102 | 6,7 | 114,115,116,117,118 119,110 |
| DAY 4 | - 2 Ball Questions- Non-Simultaneous | | 8 | 121,122,123 MCQ 103,104 |
| DAY 5 | - <u>2 Ball Questions Simultaneous</u> | | 9 | 124,131,133,134,135 |

3. ORGANIC CHEMISTRY: PAPER 2

APPROX 40% OF EXAM

| | | Summary And Examples | Videos | Practice Questions |
|----------|--------------------------------------------------------------------------|-------------------------|---------------|------------------------------------------------------------------|
| DAY 6,7 | - Naming/Drawing/Functional Groups Alkanes till esterification | 8-21 | 1-4 | 37-48 |
| DAY 8 | Intermolecular Forces and Physical Properties Graph Interpretation | 22,23 | 10,11 | 49-60 |
| DAY 9,10 | - Reaction Types (Flow Diagrams) | 24-33 | 5 - 9 | 61-80 |
| DAY 11 | - PRACTICE and master | | 12,13, MCQ | Practice as many questions as you can From the above pages |
| DAY 12 | - PRACTICE and master | | | |

4. NEWTONS LAWS: PAPER 1

| | | Summary And Examples | Videos | Practice Questions |
|--------|---------------------------------------------------|-------------------------|--------|---------------------------------------|
| DAY 13 | Newtons Law Calculations And Gravitational Law | 11-30 | | 36,37,44,45,47,48 50,51,52,53, 54, |
| DAY 14 | | MCQ 31,32 | | 56,58,59,60,62,63, 64,55 |

DAY 15 : **REVIEW DAY : PRACTICE 2 QUESTIONS FROM EACH SECTION FROM DAY 1-14**

5. WORK ENERGY POWER: PAPER 1

| | | Summary And Examples | Videos | Practice Questions |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|---------------------------------|-----------------------------------------------------------------------|
| DAY 16 | <ul style="list-style-type: none"> - Calculating work, net work and using work energy theorem and power, - Vertical forces/lifting objects - Forces at an angle - Horizontal forces | 137,138,139, 141 | 1-5 | 147,149,152,161,170 |
| DAY 17 | <ul style="list-style-type: none"> - Inclined plane - Unknown Δx or unknown angle θ - CURVED TRACK | | 9 | 148,150,151,153,155 156,157,158,159,160 162 |
| DAY 18 | <ul style="list-style-type: none"> - Law of conservation of mechanical energy - Momentum and energy - Graphs | 142,143, | 6 - 8 MCQ VIDEOS 10,11 | 164,165,166,167,168, 169,173,174,175,177 179,180 MCQ 144,145 |

6. DOPPLER EFFECT: PAPER 1

| | | Summary And Examples | Videos | Practice Questions |
|---------------|--------------------------------------------------------------------------------------|---------------------------------|-------------------------|---------------------------------------------------------------------------------------------------------------------------|
| DAY 19 | <ul style="list-style-type: none"> - Calculations with doppler effect | 181,182, | 1-5 MCQ VIDEO | Basic , 186 ,187,195,191 Graphs 188,189,190,192,196, 197,200, Simultaneous 193,194,199 MCQ PG184,185 |

7. RATES OF REACTION: PAPER 2

| | | Summary And Examples | Videos | Practice Questions |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-----------------|---------------------------------------------------|
| DAY 20 | <ul style="list-style-type: none">- Collision theory- Calculating Rate and stoichiometry- Graph Interpretation- Maxwell Boltzmann | 87-95 | 1-8 | 99,100,101,102,103, 105,106,108 |
| DAY 21 | | | 9,10 AND MCQ | 115,116,118,121,123 128,130,134,135,138 139 |

8. CHEMICAL EQUILIBRIUM: PAPER 2

| | | Summary And Examples | Videos | Practice Questions |
|------------------|-------------------------------------------------------------------|---------------------------------|--------------------|-----------------------------------------------------|
| DAY 22 | <ul style="list-style-type: none">- KC Calculations | 146-151 | 1-5 | KC ONLY 167,168,169,170,171 173,174,176,178 |
| DAY 23,24 | <ul style="list-style-type: none">- LCP and Graphs | 152-163 | 6-13 AND MCQ | 167-202 Practice as many questions as you can |

9. ACIDS AND BASES: PAPER 2

| | | Summary And Examples | Videos | Practice Questions |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|---------------|------------------------------------------------------|
| DAY 25 | <ul style="list-style-type: none">- Simpler to score marks- Acid base conjugate pairs, Experiments,- Simple Ph and hydrolysis | 204-215 | 1-10 | 224,225,226,227,231 234,236 |
| DAY 26,27 | <ul style="list-style-type: none">- Stoichiometry | 215-218 | 12-18 | Practice 2 questions Recommended in each video |

DAY 28 : **REVIEW DAY : PRACTICE 2 QUESTIONS FROM EACH SECTION FROM DAY 15-27**

9. ELECTROSTATICS: PAPER 1

| | | Summary And Examples | Videos | Practice Questions |
|---------------|-------------------------------------------------------------------------------------------------------------------------|---------------------------------|-------------------------|---------------------------------------------------------------------|
| DAY 29 | <ul style="list-style-type: none">- Net force or field in a straight line- Net force at an angle | 201-209 | 1-5 | 214,216,217,219,223 |
| DAY 30 | <ul style="list-style-type: none">- Electrostatics with newtons- More practice questions | 210 | 6-8 And MCQ video | 224, 225,226,227,228 233,234,236,215,222 v Mcq pg 211,212 |

ELECTRIC CIRCUITS: PAPER 1

| | | Summary And Examples | Videos | Practice Questions |
|---------------|--------------------------------------------------------------------------------------------------------------------------|---------------------------------|---------------|----------------------------------------------------------------------|
| DAY 31 | <ul style="list-style-type: none">- Emf experiment and graphs- Simpler circuits | 270-282 | 1-10 | 288,289,290,292,293 294,295,297,301 |
| DAY 32 | <ul style="list-style-type: none">- Circuits more complex and- Simultaneous equations in circuits | | Mcq video | 298,299,302,304 306,307,308,309,310, 311 Mcq pg 284,285,286 |

ELECTRODYNAMICS: PAPER 1

| | | Summary And Examples | Videos | Practice Questions |
|---------------|--------------------------------------------------------|---------------------------------|---------------|--------------------------------|
| DAY 33 | - Simpler questions | 240-251 | 1-5 | 255,256,257,258, 259,260 |
| DAY 34 | - Graph interpretation and more complex type questions | 24 | 6-10 | 261,263,264,265,266 267,268 |

PHOTOELECTRIC EFFECT: PAPER 1

| | | Summary And Examples | Videos | Practice Questions |
|---------------|--------------------------------------------------------|---------------------------------|---------------|------------------------------------------------|
| DAY 35 | - - Simpler questions | 313,314,315,316 317 | 1-2 | 321,322,323,324. 325,326,328 |
| DAY 36 | - Graph interpretation and more complex type questions | 318 | 3-4 | 331,332,333,334 335,336,337,338,339, 340 |
| | - Atomic Absorption and Emission Spectra | 342-345 | 5 | 329,327 MCQ 319,320 |

PRACTICE FULL PAPERS:

NOV 2024, SUPP 2024

NOV 2023, SUPP 2023

NOV 2022

| MON | TUES | WED | THURS | FRI | SAT | SUN |
|-----|------|-----|-------|-----|-----|-----|
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