Redox Rxns and Equivalent concept (1) Oxidation number: -> It is the real or imaginary charge present on an atom when the compound is considered 100%, lovice. Moleale S+ S-H:-Cl $(\sqrt{a^+})$ (ℓ^-) +1 -1 H+ Ce-0.ND +1 -1 +1 -1 O.NO

Dt is hypothetical concept O. No by order





Rules to determine oxidation number

Sum of the oxidation number of all the atoms in a neutral molecule / compound is zero 1.

$$KMn0y$$
 H_20 H_2
 $2+y+43=0$ $2x+y=0$ $2x=0$

$$2x=0$$

Sum of the oxidation number of all the atoms in an ion is equal to charge on ion.

$$PO_{4}^{3-}$$

 $z + 4y = -3$

Oxidation number of F is -1 in all its compound. 3.

Call: 0744-2799900

Oxidation number of alkali metals is +1 in its all compound.





5. Oxidation number of alkaline metals is +2 in its all compound.

2mg group

6. Oxidation number of H is +1 in its compounds except metal hydride.

(-1) (-1/2) (2+2) = (-1)



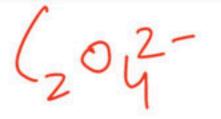
7. Oxidation number of 'O' is generally -2 except is peroxide, superoxide and OF₂ etc.

KO2 1+2x=0

8. Oxidation number of element may vary from n to n-8 (where 'n' is group number)









FIND OXIDATION NUMBER OF UNADERLINED ELEMENTS

- $-1. \quad \frac{CO_2}{\chi 4} = 0$
- 2. $H_2C_2O_4$
- 3. $C_2O_4^2$

 $H_2\underline{S}^2$

5. H_2SO_4

6. USOCl₂

7. $\frac{5}{N_2}O_5$

8. HNO₃

- 9. Ba(\underline{NO}_2)₂
- 10. $\underline{NH_4}^+$

11. $\underline{P}_4(s)$

12. H₃PO₄

13. $\underline{P}H_3$

14. <u>Cl</u>

15. \underline{Cl}_2

16. HClO₄

17. <u>Cl</u>₂O

18. $\underline{Xe}O_6^{4-}$

- 19. KMnO₄
- 20. K_3MnF_6

- 21. $K_2 Fe O_4$
- 22. Cr³⁺

- 23.
- $\underline{\text{Fe}}_{0.9}\text{O}$

24. <u>I</u>₃

25. $K_3[\underline{Fe}(CN)_6]$

26. $K[\underline{Co}(C_2O_4)_2(NH_3)_2]$

- 27. <u>Ni(CO)</u>₄

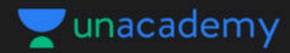
28.

- Fe(CO)5
- **29.** $C_{12}H_{22}O_{11}$

30.

 $\underline{\text{Fe}}\text{SO}_4.(\text{NH}_4)_2\text{SO}_4.6\text{H}_2\text{O}$

-> 2 + 2x - 8 = 0Ba (NO2)2 -N02 71-41-26 Exemplar

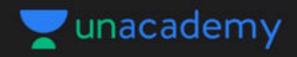


9 • Asked by Aaditya Ag...

Test

Leaderboard Ranking is based on marks. Total test duration past to answer the last question in the test will be considered to break the tie. Live rankings Shubhro Roy 276 morks • 2h : \$7m : 3s ARITRA AMBUDH DUTTA 272 marks • 2h : 59m : 57s Roghav Singla RS 268 marks • 2h : 59m : 7s Sahil 257 marks • 2h : 59m : 30s 244 marks • 2h : 59m : 49s Krishna Awasthi 243 marks • 2h : 59m : 59s Aditya Geete 224 marks • 2h : 58m : 51s Shravan Agrawal 222 marks • 3h

219 marks • 1b : 49m : 36s



Asked by Aaditya Ag... ye wala dekhiye sir





Shubhro Roy 276 marks • 2h : 57m : 3s





275 marks • 2h : 49m : 28s















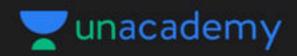
263 marks • 2h : 31m : 53s



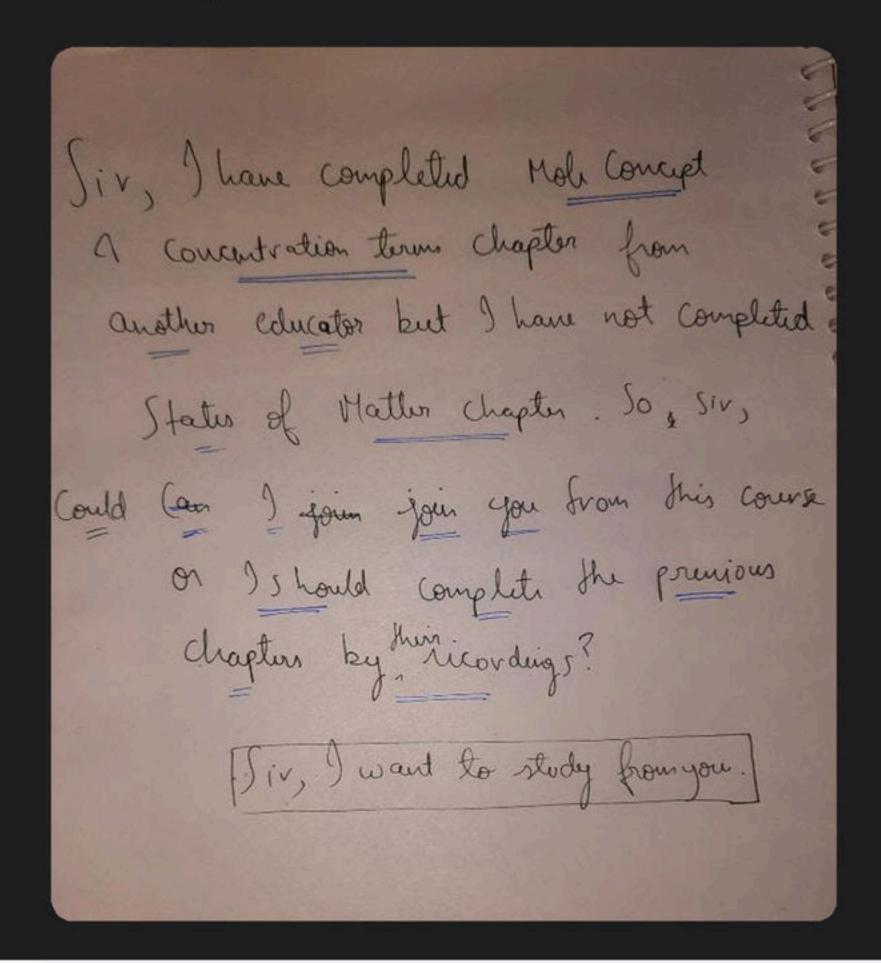


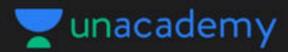
257 marks • 2h : 59m : 30s





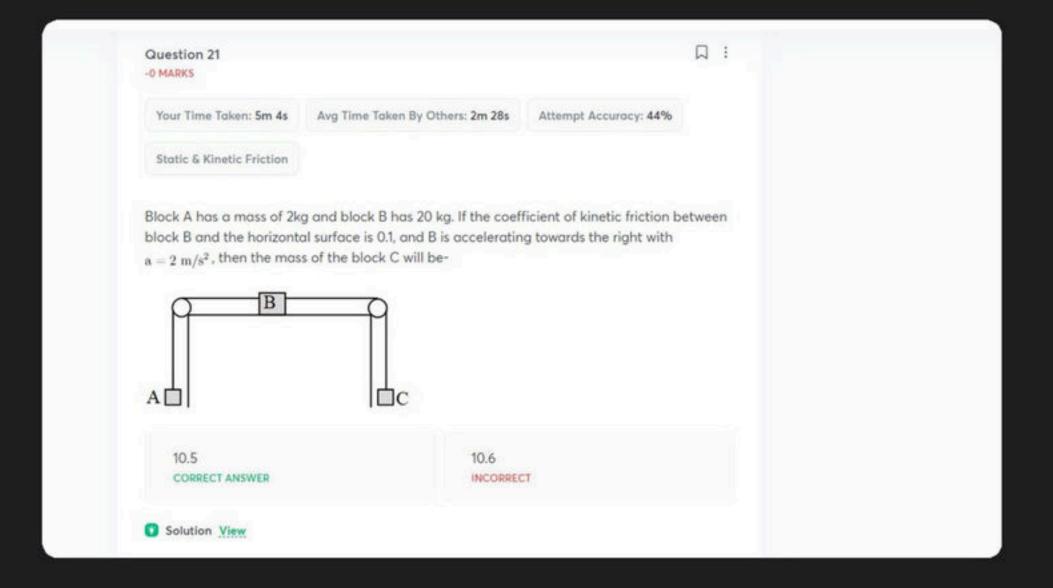
A 4 · Asked by Shaurya
Please help me with this doubt

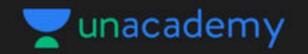




▲ 6 • Asked by Ankur

Sir integer type questions me Aise mistakes ho rahi hai kya karu

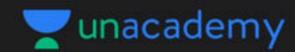




▲ 3 • Asked by Divya Agra...

SIR MERE 3 TEST ME 106 , 149 , 77 :(SIR IMPROVEMENT KI JGH MARKS OR KAM HO GYE ME KYA KARU SIR :((((





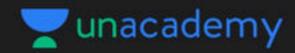
▲ 1 • Asked by **Dwarkadhis**...

Sir mere T1 mai 344. T2 mai 122 aur T3 mai 25 rank ayii all thanks to you sir pc ke sare crrt hua ...your teaching is best



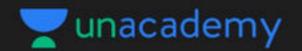
Asked by Rakshit

sir i got infected by malaria and typhoid both aur sir docter ne 10 days ke liye bed rest krne ko bola hai but 10 days me to bohot jada backlog ho jayega sir please help. 20



▲ 4 • Asked by Prathmesh

SIR 24TH OCTOBER KO NTSE STAGE 2 HAI, BUT USKI PREPARATION ME BOHOT TIME JAA RHA HAI AUR MUJHE IOC OC ME BHI DIKKAT HAI. TO KYA MAI STAGE 2 KI PREPARATION LEAVE KR DUN?



▲ 3 • Asked by Harsh

Sir muje 44 marks ka organic chemistry chodan pada because mene abhi tak OC bilkul nahi padha hai to usse cover kaise karu please help!!

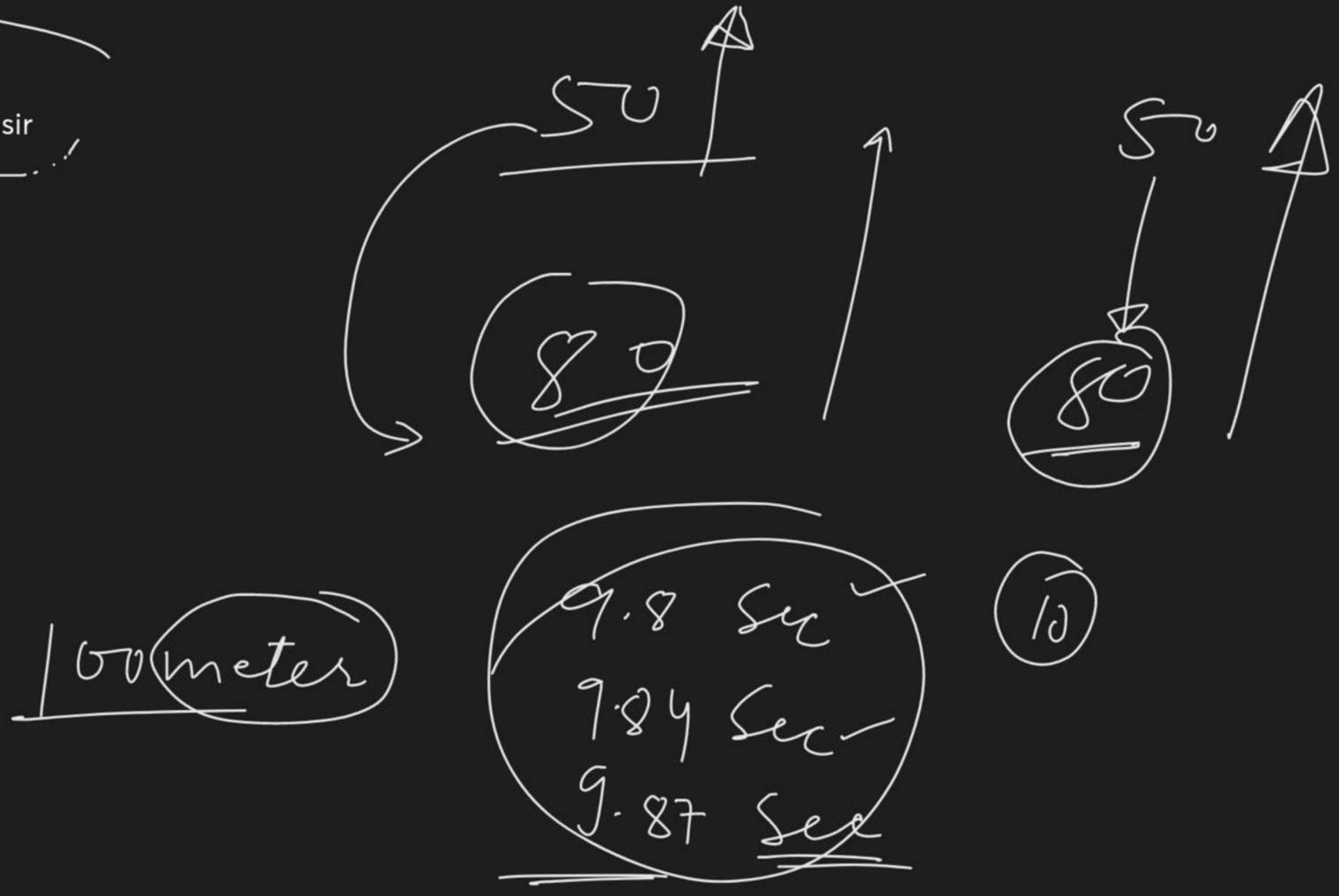
10 days

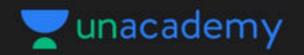
(hrs)

12-13 hr

🔺 1 • Asked by Divyanshu

sir 180 se 31 ...thank you sir





▲ 5 • Asked by Aman

Sir paper k time bhut ajeeb sa feel hota h bhut sweating hone lagti h aur dizziness feel hoti h sir ls wajah se bhut q attempt hi ni hote sir kya karu 100 hi aaye papaer m:((

In Out

