



DIRECTORATE OF SCHOOL EDUCATION TAMILNADU

12NPCB11 (2023-24)	NEET PRACTICE QUESTIONS (TEST-11)	Class : XII Time : 1.15 hrs Total Marks : 240
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Answer key

12th - CHEMISTRY

16. Ans: A)

In acidic medium the reaction is $MnO_4^- + 8H^+ + 5e^- \rightarrow Mn^{2+} + 4H_2O$
change in ordination states is $7 - 2 = 5$

17. Ans: D)

In This Bunsen burner and measuring cylinder is no use

18. Ans: B)

molisch's test → Presence of carbohydrate

Barfoed test → presence of Mono saccharide

Biurete test → Presence of peptide bond

A & B are carbohydrate

C- protein.

19. Ans : C)

Higher the R_f value lower the adsorption.

20. Ans: B)

$$N_1 V_1 = N_2 V_2$$

$$M_1 \times n_f \times V_1 = M_2 \times n_f \times v_2$$

$$0.05 \times 5 \times 10 = M_2 \times 2 \times 10$$

$$M_2 = \frac{0.05 \times 5}{2} = 0.125M$$

Strength of oxalic acid in g/L = Molarity × molar mass

$$g/L = 0.125 \times 126$$

$$= 15.75 \text{ g/L}$$

21. Ans : C)

No: of equivalents of $\text{H}_2\text{SO}_4 = 100 \times 0.1 \times 2 = 20$

No. of equivalent & $\text{NaOH} = 50 \times 0.1 \times 1 = 5$

No, of equivalents of H_2SO_4 left = $20 - 5 = 15$

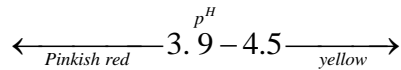
Normality = $\frac{\text{No: of equivalent}}{\text{volume}}$

$$\frac{15}{150} = \frac{1}{10} = 0.1N$$

22. Ans: C)

Weak base have p^{H} greater than 7. when methyl orange is added to a weak base, solution becomes yellow. If it titrated against strong acid, at the end p^{H} will less than 3.1

\therefore solution becomes pinkish red.



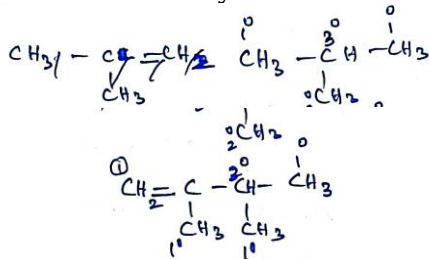
23. Ans: D) Pyrargyrite Ag_3SbS_3


24. Ans : C)

Alkyl halide does not show immersions

- CN isomerism - NC
- CHO isomerism $-\overset{\text{O}}{\parallel}{\text{C}}-$
- -OH isomerism -O-

25. Ans: 2, 3-dimethyl butane

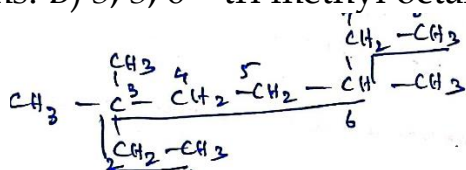


Cyclohexane  all are 2° carbon

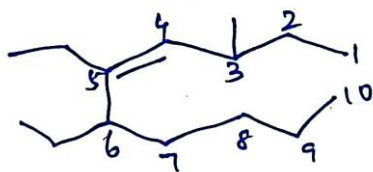
d. Propyne $\text{CH}_3 - \overset{\text{O}}{\text{C}} \equiv \overset{\text{O}}{\text{C}}\text{H}$

D) Propyne

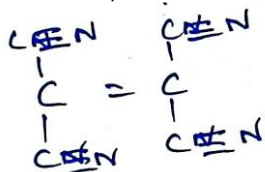
26. Ans: B) 3, 3, 6 - tri methyl octane



27. Ans: B) 5, 6 - diethyl -3-methyl dec-4-ene

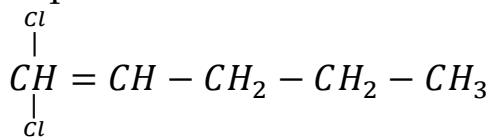


28. Ans: A) 9σ and 9π



29. Ans: A) Correct decaying order
-COOH, -SO₃H, -CONH₂, -CHO

30. Ans: D) 1,1-dichloro-1-pentene



does not show geometrical isomerism



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11NPCB11 (2023-24)	NEET PRACTICE QUESTIONS (TEST-11)	Class : XI Time : 1.15 hrs Total Marks : 240
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Answer key

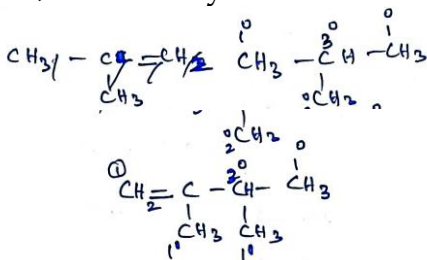
11th - CHEMISTRY


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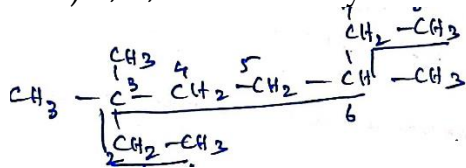


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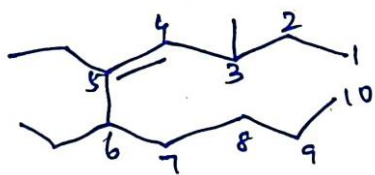
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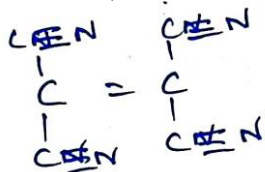
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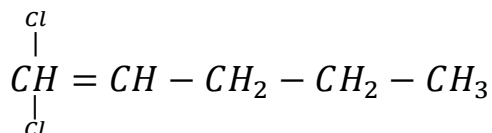


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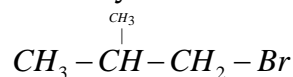
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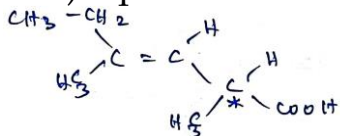
does not show geometrical isomerism

23. Ans: B) β - bromo butyric acid

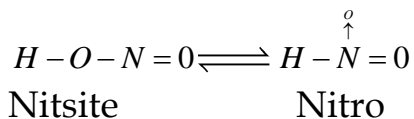
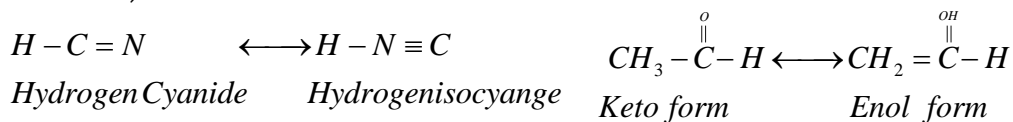


One chiral carbon So it is optically active

24. Ans: C) Optical isomerism and Geometrical isomerism

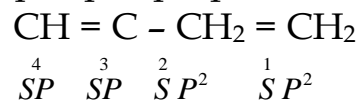


25. Ans: D) Ethanol



26. Ans: C) iii. Pyridine iv. Thiophene are heterocyclic compounds

27. Ans: B) sp^2, sp^2, sp, sp

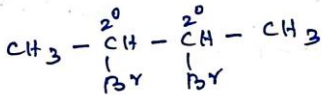


28. Ans: C) iii only

Br-CH₂-CH=CH₂ correct name is 3-bromo prop-1-ene

29. Ans: C) Enantiomer

30. Ans: B) 2, 2





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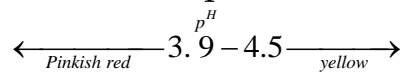
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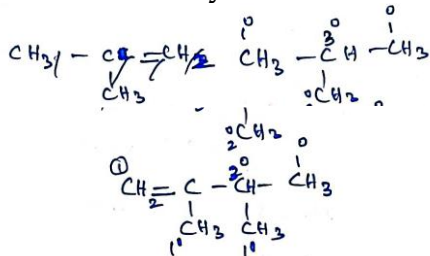
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
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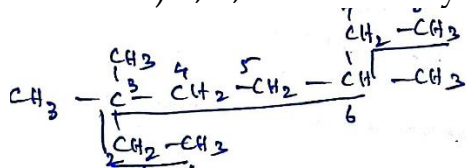


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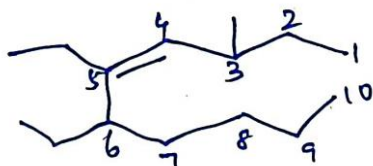
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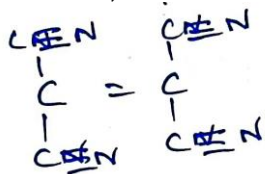
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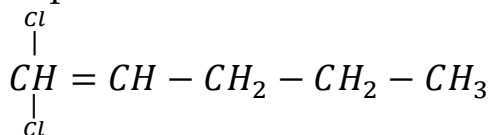


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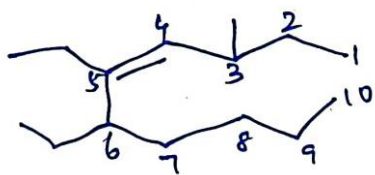


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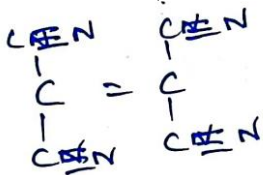
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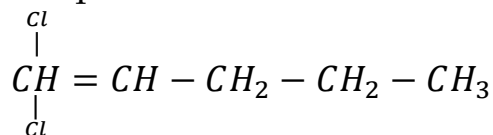


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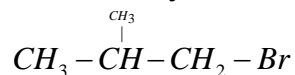
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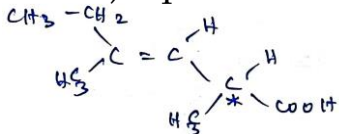
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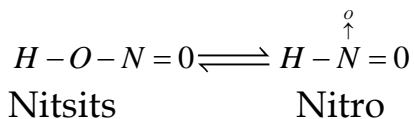
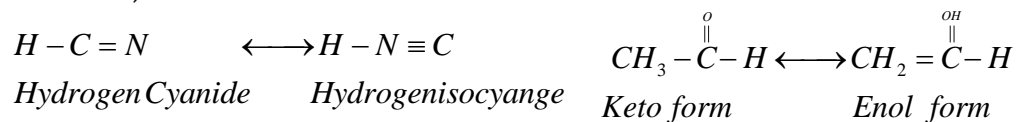


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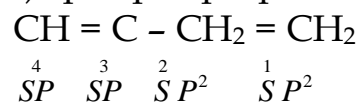


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