Unit 13: An introduction to AS Level organic chemistry

Subunit 13.4: Isomerism: structural isomerism and stereoisomerism

Topical	Qu	esti	on No: 1							
	20	Which types of stereoisomerism are shown by 2,4-dimethylhex-2-ene?								
		A both cis-trans isomerism and optical isomerism								
		В	B cis-trans isomerism only							
		С	neither cis-trans isomerism nor optical isomerism							
		D	optical isomerism only							
Topical	Qu	esti	on No: 2							
	30	How many structural isomers with the molecular formula $C_4H_{10}O$ give infra-red absorptions both at approximately 1200cm^{-1} and at approximately 3400cm^{-1} ?								
		Α	2	В	4	С	6	D	7	
Topical	Qu	esti	ion No: 3							
	20	How many structural isomers are there of trichloropropane, C ₃ H ₅ Cl ₃ ?								
		Α	3	В	4	С	5	D	6	
Topical	Qu	esti	on No: 4							
	27	Structural isomerism only should be considered when answering this question.								
		All the isomeric alcohols with the molecular formula $C_5H_{12}O$ are added separately to warm alkaline aqueous iodine.								
		How many of the isomers give a yellow precipitate?								
		Α	0	В	1	С	2	D	3	
Topical	Qu	esti	on No: 5							
	22	How many isomers, including structural and stereoisomers, with the formula C_4H_8 have structures that involve π bonding?								
		A	1	В	2	С	3	D	4	

Answer Key

- 1. Error
- 2. Error
- 3. Error
- 4. Error
- 5. Error