

## NEET ISOMERISM — CONDITIONS AND TYPES FOR GEOMETRICAL ISOMERISM — PYQS

Max. Marks: 20

Questions: 5

### Section A (MCQ) — 5 questions

**Q.1** Which one of the following compounds can exist as cis-trans isomers? [NEET (UG) 2025]

- (1) 1,1-Dimethylcyclopropane
- (2) 1,2-Dimethylcyclohexane
- (3) Pent-1-ene
- (4) 2-Methylhex-2-ene

Scan or tap for the full solution



**Q.2** Which of the following compounds will exhibit cis-trans (geometrical) isomerism? [AIPMT 2009]

- (1) Butanol
- (2) 2-Butyne
- (3) 2-Butanol
- (4) 2-Butene

Scan or tap for the full solution



**Q.3** Which one of the following pairs represents stereoisomerism? [AIPMT 2005]

- (1) Structural isomerism and geometrical isomerism
- (2) Optical isomerism and geometrical isomerism
- (3) Chain isomerism and rotational isomerism
- (4) Linkage isomerism and geometrical isomerism.

Scan or tap for the full solution



**Q.4** Geometrical isomers differ in [AIPMT 2002]

- (1) position of functional group
- (2) position of atoms
- (3) spatial arrangement of atoms
- (4) length of carbon chain

Scan or tap for the full solution



**Q.5** 2-Butene shows geometrical isomerism due to [AIPMT 2000]

- (1) restricted rotation about double bond
- (2) free rotation about double bond
- (3) free rotation about single bond
- (4) chiral carbon

Scan or tap for the full solution



### ANSWER KEY

| Ques. | 1 | 2 | 3 | 4 | 5 |  |  |  |  |  |  |
|-------|---|---|---|---|---|--|--|--|--|--|--|
| Ans.  | 2 | 4 | 2 | 3 | 1 |  |  |  |  |  |  |