

MAR THOMA RESIDENTIAL SCHOOL TIRUVALLA

FIRST ASSESSMENT EXAMINATION

CLASS - XI

CHEMISTRY

MARK – 20

SECTION – B.

Time – 30 min

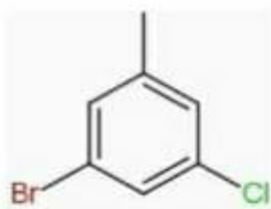
QUESTION – 1

[4]

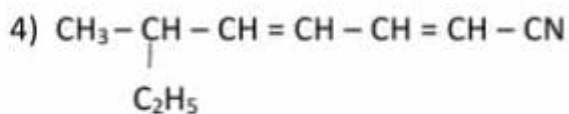
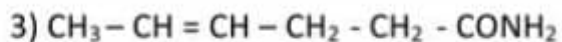
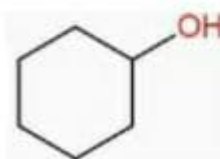
Write IUPAC name for the following

1)

NH<sub>2</sub>



2)



QUESTION – 2 [4]

Draw the structure

- 1) 3 – methyl hept – 2 – en – 1 – oyl chloride.
- 2) 4 – amino oct – 2 – ene – 1, 8 – dial.
- 3) 2, 4, 6 – trinitro phenol.
- 4) 2 – phenyl butanol.

**QUESTION – 3 [3]**

Draw the isomers representing chain isomerism, position isomerism and optical isomerism for the molecular formula  $C_4H_{10}O$ .

**QUESTION – 4 [3]**

What type of isomerism is shown by following pairs of compounds ?

- 1) Butan-1-ol and Butan-2-ol
- 2) But-1-yne and Buta-1, 3-diene
- 3) Propanone and propen-2-ol.

**QUESTION – 5 [2]**

Draw the bond line notation for the compound 3 – ethyl hexene – 4 – yne.

**QUESTION – 6 [2]**

What are the conditions required for

- 1) geometrical isomerism
- 2) optical isomerism

**QUESTION – 7 [2]**

Answer the following.

- 1) Meso – tartaric acid is optically inactive. Why
- 2) Define enantiomers.