MPM-204 A

SSLC PRE MODEL EXAMINATION – 2023



Time :- 45 minutes

CHEMISTRY

(English)

Total Score :- 20

PART-I

Questions from 1 to 3 carries 1 score each

A. Answer any Two questions from 1 to 3

 $(2 \times 1 = 2)$

1. Identify the compound which contains a carbon – carbon double bond.

(1)

 $(C_5H_{12}, C_2H_2, C_3H_6, C_4H_{10})$

2. Find the relation and fill up suitably.

(1)

Bauxite: Leaching ; Tin stone:

3. Which is used as a chemical fertiliser

(1)

(Sodium chloride, Calcium carbonate, Ammonium Sulphate)

PART-II

Questions from 4 to 6 carry 2 scores each

B. Answer any Two questions from 4 to 6

 $(2 \times 2 = 4)$

- 4. $H_2(g) + I_2(g) \rightleftharpoons 2 HI(g)$
- (a) What is the total number of moles of reactants and products in the above reaction? (1)
- (b) What is the effect of pressure on this reversible reaction? Explain.

(1)

5. Differentiate between 'roasting' and 'calcination'

(2)

- (i) CH₃-CH₂-CH₂-CH₃
 - (ii) CH₃-CH₂-CH₂-CH₂-OH
 - (iii) CH₃-CH₂-O-CH₂-CH₃
 - (iv) $CH_3 CH_2 CH_3$
 - (a) Identify the isomer pair in the given compounds.

(b) Name the isomerism.

(1)

(1)

PART-III

Questions from 7 to 9 carry 3 scores each

C. Answer any Two questions from 7 to 9

 $(2 \times 3 = 6)$

7. The structure of hydrocarbon in given below:

$$CH_{2}-CH_{3}$$
 $CH_{3}-CH_{2}-CH_{2}-CH_{3}$
 CH_{3}

(a) How many C- atoms are there in the main chain?

(1)

(b) Identify the branch and its position number?

(1)

(c) Write the IUPAC name of this compound.

(1)

