Physical Sciences (English Version) Solution for 2022-23 Examination

General instructions

(For Regular and External Candidates)
Time: Three hours and fifteen minutes

(First fifteen minutes for reading the question paper)

Full Marks: For Regular candidates: 90

For External candidates: 100

Only the External candidate will answer group 'E' Figures in the margin indicate full marks for each question.

Group 'A'

1. Multiple choice questions. Four alternative answers are given below for each of the following questions. Write the correct one. 1x15 = 15

- 1.1 Which of the following gas helps in the depletion of ozone in the ozone layer?
 - (a) CO₂
 - (b) Ar
 - (c) CFC
 - (d) He
- Answer: (c)

Explanation: CFCs release free radicals of halogens which react with ozone leaving it in the elemental form which results in depletion of ozone.

- 1.2 What is the value of PV for 4 g of H₂ gas at STP? (H = 1)
 - (a) RT
 - (b) 2 RT
 - (c) 4 RT
 - (d) 0.5 RT

Answer: (b)

Explanation:

Number of moles of a substance = Total weight of substance/Molecular weight of substance

i.e. n = W/M = 4/2 = 2 moles

Exemplar Physical Science Question Papers Caps

S Marginson

Exemplar Physical Science Question Papers Caps:

This book delves into Exemplar Physical Science Question Papers Caps. Exemplar Physical Science Question Papers Caps is a crucial topic that must be grasped by everyone, from students and scholars to the general public. The book will furnish comprehensive and in-depth insights into Exemplar Physical Science Question Papers Caps, encompassing both the fundamentals and more intricate discussions.

- 1. This book is structured into several chapters, namely:
 - Chapter 1: Introduction to Exemplar Physical Science Question Papers Caps
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