



Birla Public School, Doha - Qatar
Half Yearly Examination – May 2023
Science (Set B) - 086

Class: X
Date: 28-05-2023

Time Allowed: 30 mins
Max. marks: 20

General Instructions:

1. This question paper consists of 39 questions in 5 sections.
2. All questions are compulsory. However, an internal choice is provided in some questions. A student is expected to attempt only one of these questions.
3. Section A consists of 20 objective type questions carrying 1 mark each.
4. Section B consists of 6 Very Short questions carrying 02 marks each. Answers to these questions should be in the range of 30 to 50 words.
5. Section C consists of 7 Short Answer type questions carrying 03 marks each. Answers to these questions should be in the range of 50 to 80 words.
6. Section D consists of 3 Long Answer type questions carrying 05 marks each. Answer to these questions should be in the range of 80 to 120 words.
7. Section E consists of 3 source-based/case-based units of assessment of 04 marks each with sub-parts.
8. This question paper has 10 printed pages.
9. Reading time 15 minutes
10. Question paper attempting time -180 minutes

SECTION – A

1. The following reaction is used for the preparation of oxygen gas in the laboratory:



Which of the following statement(s) is (are) correct about the reaction? [1]

- ☒ (a) It is a decomposition reaction and endothermic in nature
- (b) It is a combination reaction
- (c) It is a decomposition reaction and accompanied by the release of heat
- (d) It is a photochemical decomposition reaction and exothermic in nature

2. Barium chloride on reacting with ammonium sulphate forms barium sulphate and ammonium chloride. Which of the following takes place in this reaction? [1]

- (A) exchange of atoms takes place
- (B) exchange of ions takes place
- (C) a precipitate is produced
- (D) an insoluble salt is produced

The correct option is

- (a) (B) and (D)
- (b) (A) and (C)
- (c) only (B)
- ☒ (d) (B), (C) and (D)

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