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CBSE Sample Paper Class 12 Science 2019-20

Subject: Science Class: 12 Maximum Marks: 70 Duration: 3 hours

Section A: Objective Type (20 marks)

1. Multiple Choice Questions: a) Which of the following is an example of an exothermic reaction? (A) Photosynthesis (B) Respiration (C) Combustion (D) Electrolysis
b) Which of the following is not a primary air pollutant? (A) Carbon monoxide (B) Nitrogen dioxide (C) Ozone (D) Sulphur dioxide
2. Fill in the blanks: a) The process of conversion of nitrogen gas into ammonia is called _____. b) The SI unit of electric current is _____.

Section B: Short Answer Type (30 marks)

3. Define refraction of light. Explain the phenomenon of total internal reflection with an example.
4. State the laws of electromagnetic induction. Explain how the generation of electricity takes place in a hydroelectric power plant.
5. Differentiate between somatic and germinal mutations. Give one example of each.
6. Explain the working principle of a nuclear reactor and discuss its advantages and disadvantages.

Section C: Long Answer Type (20 marks)

7. What is a genetic disorder? Explain the causes, symptoms, and treatment of any one genetic disorder.
8. Describe the process of eutrophication and its impact on aquatic ecosystems. Suggest measures to control eutrophication.



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9. Discuss the applications of biotechnology in the field of medicine, agriculture, and environment.

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