# SAMPLE QUESTION PAPER CLASS XII

**BIOLOGY (044)**

**TERM II (2021-22)**

## Max. Marks 35 Time allowed: 2 hours

**General Instructions:**

1. All questions are compulsory.
2. The question paper has three sections and 13 questions. All questions are compulsory.
3. Section–A has 6 questions of 2 marks each; Section–B has 6 questions of 3 marks each; and Section–C has a case-based question of 5 marks.
4. There is no overall choice. However, internal choices have been provided in some questions. A student has to attempt only one of the alternatives in such questions.
5. Wherever necessary, neat and properly labeled diagrams should be drawn.

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| **Q. No.** |  | **Marks** |
| **Section A** | | |
| 1 | Humans have innate immunity for protection against pathogens that may enter the gut along with food. What are the **two** barriers that protect the body from such pathogens? | 2 |
| 2 | A patient admitted in ICU was diagnosed to have suffered from myocardial infarction. The condition of coronary artery is depicted in the image below.  Name **two** bioactive agents and their mode of action that can improve this condition.    **OR**  Substantiate by giving two reasons as to why a holistic understanding of the flora and fauna the cropland is required before introducing an appropriate biocontrol method. | 2 |

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| 3 | Identify the compound chemical structure is shown below. State any three of its physical properties. | 2 |
| 4 | Water samples were collected at points A, B and C in a segment of a river near a sugar factory and tested for BOD level. The BOD levels of samples A, B and C were 400 mg/L, 480 mg/L and 8 mg/L respectively.  What is this indicative of? Explain why the BOD level gets reduced considerably at the collection point C? | 2 |
| 5 |  | 2 |
| 6 |  | 2 |

