

GATE 2026 BT Question Paper

Time Allowed :3 Hour	Maximum Marks :100	Total Questions :65
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General Instructions

Please read the following instructions carefully:

1. This question paper is divided into three sections:
 - **General Aptitude (GA):** 10 questions (5 questions \times 1 mark + 5 questions \times 2 marks) for a total of 15 marks.
 - **Environmental Science and Engineering + Engineering Mathematics:**
 - **Part A (Mandatory):** 36 questions (1 questions \times 1 mark + 19 questions \times 2 marks) for a total of 55 marks.
 - **Part B (Section 1):** Candidates can choose either Part B1 (Surveying and Mapping) or Part B2 (Section 2). Each part contains 16 questions (8 questions \times 1 mark + 11 questions \times 2 marks) for a total of 30 marks.
2. The total number of questions is **65**, carrying a maximum of **100 marks**.
3. The duration of the exam is **3 hours**.
4. Marking scheme:
 - For 1-mark MCQs, $\frac{1}{3}$ mark will be deducted for every incorrect response.
 - For 2-mark MCQs, $\frac{2}{3}$ mark will be deducted for every incorrect response.
 - No negative marking for numerical answer type (NAT) questions.
 - No marks will be awarded for unanswered questions.
5. Ensure you attempt questions only from the optional section (Part B1 or Part B2) you have selected.
6. Follow the instructions provided during the exam for submitting your answers.

1. Which of the following bonds is responsible for maintaining the secondary structure of proteins?

- (A) Peptide bond
 - (B) Hydrogen bond
 - (C) Disulfide bond
 - (D) Ionic bond
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2. Which microorganism is commonly used for industrial production of ethanol?

- (A) *Escherichia coli*
 - (B) *Bacillus subtilis*
 - (C) *Saccharomyces cerevisiae*
 - (D) *Lactobacillus*
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3. Which of the following is a recessive genetic disorder?

- (A) Huntington's disease
 - (B) Sickle cell anemia
 - (C) Achondroplasia
 - (D) Marfan syndrome
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4. Which parameter is most commonly controlled in a bioreactor?

- (A) Light intensity
 - (B) pH
 - (C) Pressure
 - (D) Sound
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5. Which enzyme is responsible for synthesis of RNA from a DNA template?

- (A) DNA polymerase
 - (B) RNA polymerase
 - (C) Reverse transcriptase
 - (D) DNA ligase
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6. Which antibody class is most abundant in human serum?

- (A) IgA
 - (B) IgD
 - (C) IgE
 - (D) IgG
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7. The most commonly used technique for separation of proteins is:

- (A) Centrifugation
 - (B) Chromatography
 - (C) Filtration
 - (D) Precipitation
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