

BITSAT 2025 June 25 Shift 2 Question Paper

Time Allowed :3 Hours	Maximum Marks :390	Total Questions :130
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General Instructions

1. The **BITSAT 2025** (Birla Institute of Technology and Science Admission Test) is conducted in **Computer-Based Test (CBT)** mode.
2. The duration of the test is **3 hours (180 minutes)**.
3. The question paper consists of **130 multiple-choice questions (MCQs)** divided into four sections:
 - **Physics – 30 Questions**
 - **Chemistry – 30 Questions**
 - **English Proficiency and Logical Reasoning – 20 Questions**
 - **Mathematics/Biology – 50 Questions**
4. Each correct answer carries **3 marks**, and each incorrect answer leads to a **penalty of 1 mark**.
5. After attempting all 130 questions, candidates can attempt up to **12 additional questions** (4 each from Physics, Chemistry, and Mathematics/Biology) — only if time permits.
6. The language of the question paper is **English only**.
7. Candidates must reach the test center **at least 1 hour before** the commencement of the examination.
8. Candidates must carry:
 - **BITSAT 2025 Hall Ticket**
 - **Valid Photo ID Proof** (Aadhaar, Passport, PAN, Driving Licence, etc.)
9. Rough work must be done only on the provided sheets. Additional sheets will not be supplied.
10. Use of **calculators, mobile phones, smart watches, or any other electronic devices** is strictly prohibited.
11. Follow all **invigilator's instructions** carefully. Any malpractice will result in **cancellation of candidature**.

1. A car accelerates from rest to a speed of 20 m/s in 10 seconds. What is its acceleration?

- (A) 2 m/s^2
 - (B) 3 m/s^2
 - (C) 4 m/s^2
 - (D) 5 m/s^2
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2. Which of the following is the correct unit for electric charge?

- (A) Coulomb
 - (B) Ampere
 - (C) Volt
 - (D) Joule
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3. Which of the following has the greatest electronegativity?

- (A) Fluorine
 - (B) Oxygen
 - (C) Nitrogen
 - (D) Chlorine
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4. What is the value of $\sin 30^\circ$?

- (A) $\frac{1}{2}$
 - (B) $\frac{\sqrt{3}}{2}$
 - (C) 1
 - (D) 0
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5. The number of significant figures in the measurement 0.00456 is:

- (A) 2
 - (B) 3
 - (C) 4
 - (D) 5
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6. Which of the following is the correct electronic configuration for Oxygen (O)?

- (A) $1s^2 2s^2 2p$
 - (B) $1s^2 2s^2 2p$
 - (C) $1s^2 2s^2 2p^3$
 - (D) $1s^2 2s^2 3p^2$
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7. Which of the following is an example of a scalar quantity?

- (A) Velocity
 - (B) Force
 - (C) Temperature
 - (D) Displacement
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8. The equation of a straight line is given by $y = 3x + 4$. What is the slope of the line?

- (A) 3
 - (B) 4
 - (C) 1
 - (D) 0
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9. Which of the following is a non-metal?

- (A) Sodium
 - (B) Iron
 - (C) Carbon
 - (D) Copper
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10. The roots of the equation $x^2 + 5x + 6 = 0$ are:

- (A) -2 and -3
 - (B) 1 and 6
 - (C) -1 and -6
 - (D) -3 and -2
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