

CAT 2016 Answer Key PDF

- Q1. (D) None of these. Explanation: Q's mother-in-law is U, but the father-in-law is not among R, S, or T, so the correct answer is None of these.
- Q2. (B) M – N. Explanation: “–” means sister, so M is the sister (hence daughter) of N.
- Q3. (B) Only II follows. Explanation: Some educated people are engineers implies some engineers are educated, but nothing guarantees that any lawyer is an engineer.
- Q4. (C) C. Explanation: Based on the seating arrangement conditions, C occupies the middle position.
- Q5. (A) Monday. Explanation: If the day after tomorrow is Wednesday, tomorrow is Tuesday and today is Monday.
- Q6. (D) Mother-in-law. Explanation: The woman is the mother of Raj's brother's wife, which makes her Raj's sister-in-law's mother, i.e., mother-in-law relation.
- Q7. (C) Both I and II follow. Explanation: Since all novels are stories and some books are novels, some stories are novels and some books are stories.
- Q8. (A) CBQBPB. Explanation: Each letter is shifted forward by one position in the alphabet, just as APPLE becomes BQQMF.
- Q9. (D) Cannot be determined. Explanation: The given information is insufficient to uniquely determine who is immediately right of A.
- Q10. (D) None of these. Explanation: From the given statements, none of the other conclusions necessarily follows.
- Q11. (D) Rs. 200. Explanation: Solving the profit equations gives the original cost price as Rs. 200.
- Q12. (A) 40. Explanation: Physics students = 25% of 400 = 100; females = 40% of 100 = 40.
- Q13. (C) 40. Explanation: Using work-rate equations, A alone completes the task in 40 days.
- Q14. (A) $\frac{1}{6}$. Explanation: Probability of drawing two red balls = $\frac{(4C2)}{(9C2)} = \frac{6}{36} = \frac{1}{6}$.
- Q15. (A) 48 km/h. Explanation: Average speed for equal distances = $\frac{2ab}{(a+b)} = \frac{2 \times 60 \times 40}{(60+40)} = 48$ km/h.
- Q16. (A) 2 km. Explanation: Upstream speed = 4 km/h, downstream speed = 8 km/h; total time equation gives distance = 2 km.
- Q17. (B) 40. Explanation: Let present ages be F and S. Solving $F + S = 50$ and $F - 5 = 4(S - 5)$ gives $F = 40$.
- Q18. (A) 10 cm. Explanation: Length + width = 16 and length $\times$ width = 60, giving dimensions 10 cm and 6 cm.
- Q19. (B) Rs. 11,025. Explanation: Amount = $10000 \times (1.05)^2 = \text{Rs. } 11,025$.
- Q20. (A) 26%. Explanation: Passed percentage = $(60\% \times 30\%) + (40\% \times 20\%) = 18\% + 8\% = 26\%$.