CMAT 2026 Question Paper with Solutions

| **Time Allowed :** 3 Hours | **Maximum Marks :** 100 |

1. Sudhir purchased a chair with 3 successive discounts of 20%, 12.5% and 5%. Find the equivalent single discount.

(A) 33.5%
(B) 30%
(C) 32%
(D) 35%

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2. Calculate the value of:

$$\frac{\sqrt{\sqrt{5}+2} + \sqrt{\sqrt{5}-2}}{\sqrt{\sqrt{5}+1}}$$

(A) 1
(B) $\sqrt{2}$
(C) 4
(D) $\sqrt{5}$

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3. Consider the following statements:
A) There exists a smallest natural number.
B) There exists a largest natural number.
C) Every rational number is also a real number.
D) Between two consecutive natural numbers, there is always a natural number.

(A) A only
(B) C only
(C) B and D only
(D) A and C only

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4. Four electronic devices make a beep after every 30 minutes, 1 hour, 1.5 hours and 1 hour 45 minutes respectively. All beeped together at 12 noon. At what time will they again beep together?

(A) 12 Midnight
(B) 3 AM
(C) 6 AM
(D) 9 AM

5. If

$$A + \cfrac{1}{B + \frac{1}{C-9}} = \frac{29}{5}$$

then find the value of $A + B + C$.

(A) 17
(B) 12
(C) 19
(D) 28

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6. If the height and radius of a right circular cylinder are equal and its volume is $\dfrac{176}{7}$ **cm^3, find the diameter of the cylinder.**

(A) 4 cm
(B) 8 cm
(C) 2 cm
(D) 5 cm

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7. A person buys two watches for Rs. 1000 in total. He sells one watch at a loss of 5% and the other at a gain of 20%. On the whole, he gains Rs. 50. Find the cost prices of the two watches.

(A) Rs. 700 and Rs. 300
(B) Rs. 500 and Rs. 500
(C) Rs. 600 and Rs. 400
(D) Rs. 450 and Rs. 550

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8. Sum of three consecutive odd numbers is always divisible by:

A) 2
B) 3
C) 5
D) 6

(A) A and B only
(B) B and D only
(C) B only
(D) A and C only

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9. Even after reducing the marked price by Rs. 32, a shopkeeper makes a profit of 15%. If the cost price (C.P.) is Rs. 320, what would be the percentage profit if the item is sold at the marked price?

(A) 25%
(B) 30%
(C) 27%
(D) 28%

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10. Four coins are tossed. What is the probability that two consecutive heads never occur together?

(A) $\dfrac{7}{8}$

(B) $\dfrac{1}{4}$

(C) $\dfrac{1}{3}$

(D) $\dfrac{1}{2}$

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11. In Kendriya Vidyalaya (K.V.), Ujjain, 20% students are athletes. In Navodaya Vidyalaya (N.V.), Ujjain, 25% students are athletes. If N.V. has 60% more students than K.V., then the number of athletes in N.V. is what percent of athletes in K.V.?

(A) 50%
(B) 100%
(C) 200%
(D) 400%

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12. 85 litres of a mixture contain milk and water in the ratio 27:7. How much water is required to be added so that the resulting mixture contains milk and water in the ratio 3:1?

(A) 6 L
(B) 8 L
(C) 4 L
(D) 5 L

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13. What is the unit digit of $(234)^{100} + (234)^{101}$?

(A) 6
(B) 2
(C) 4
(D) 0

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14. Raman can do a piece of work in 16 days, Satish in 8 days, while Ashok can do it in 32 days. All started together but Satish left after 2 days. Raman left 3 days before the completion of the work. How long did it take to complete the entire work?

(A) 8 days
(B) 10 days
(C) 12 days
(D) 14 days

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15. Find the value of:

$$\frac{5}{2^2 \cdot 3^2} + \frac{7}{3^2 \cdot 4^2} + \frac{9}{4^2 \cdot 5^2} + \frac{11}{5^2 \cdot 6^2} + \frac{13}{6^2 \cdot 7^2} + \frac{15}{7^2 \cdot 8^2}$$

(A) $\dfrac{1}{64}$

(B) $\dfrac{15}{64}$

(C) $\dfrac{15}{16}$

(D) $\dfrac{7}{64}$

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16. The following table provides information about the number of cars sold by four dealers P, Q, R and S.

Months	P	Q	R	S	Total
Jan	102	92	95	107	396
Feb	94	96	104	106	400
March	85	94	100	90	369
Apr	108	97	99	96	400
May	98	102	100	89	389
June	95	108	102	91	396

Total number of cars sold by P during February to June is what percent more than the total number of cars sold by all dealers in June?

(A) 17.5
(B) 25.3
(C) 24.4
(D) 21.2

General Awareness:

17. Match List I with List II and choose the correct answer:

List I		List II	
A.	Adventures of Tom Sawyer	I.	Khaled Hosseini
B.	Paradise Lost	II.	Charles Dickens
C.	Oliver Twist	III.	Mark Twain
D.	The Kite Runner	IV.	John Milton

(A) A–III, B–I, C–II, D–IV
(B) A–IV, B–II, C–I, D–III
(C) A–I, B–II, C–IV, D–III
(D) A–III, B–IV, C–II, D–I

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18. Consider the following statements about Bio-energy:

S1: When magma comes out on the earth's surface, tremendous heat is released which can be successfully tapped and converted into bio-energy.
S2: Bio-energy is also derived from agricultural residue, municipal, industrial and other waste and garbage.

(A) Both are correct
(B) Both are incorrect
(C) S1 is correct and S2 is not correct
(D) S2 is correct and S1 is not correct

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19. Match List I (Personalities) with List II (Known as) and choose the correct option:

List I		List II	
A.	J.C. Kumarappa	I.	Milkman of India
B.	Chaudhary Charan Singh	II.	Founder of Indian Statistical Institute
C.	Verghese Kurien	III.	Author of Economy of Permanence
D.	P.C. Mahalanobis	IV.	Founder of Bharatiya Lok Dal

(A) A–III, B–IV, C–I, D–II
(B) A–III, B–IV, C–II, D–I
(C) A–IV, B–III, C–II, D–I
(D) A–IV, B–III, C–I, D–II

20. Arrange the following battles in chronological order:

A. Battle of Haldighati
B. Battle of Chausa
C. First Battle of Mysore
D. First Battle of Tarain
E. Battle of Plassey

(A) D, B, C, E, A
(B) A, C, B, D, E
(C) C, D, A, B, E
(D) D, B, A, E, C

21. In which of the following is a concave mirror NOT used?

(A) To concentrate sunlight in solar furnaces
(B) As shaving mirror
(C) As vehicle headlight
(D) As rear-view mirror in vehicles

22. Which are the components of Capital Account?

A. External Commercial Borrowing
B. Government Aid
C. Equity Capital
D. Gifts, Remittances and Grants

(A) A, B, C
(B) A, B, D
(C) A, C, D
(D) B, C, D

23. Which principle of General Management says that employee turnover should be minimized to maintain organizational efficiency?

(A) Equity
(B) Scalar chain
(C) Stability of Personnel
(D) Authority and Responsibility

24. Who won the Nobel Prize in Physiology or Medicine 2024?

A. Victor Ambros
B. Donald Baker
C. Gary Ruvkun
D. John Jumper

(A) B & D only
(B) A & D only
(C) A & C only
(D) A & B only

25. Who is the first Indian astronaut onboard the International Space Station (ISS)?

(A) Prashant Balkrishnan Nair
(B) Shubhanshu Shukla
(C) Angad Pratap
(D) Ajit Krishnan

26. Match List I (Painting) with List II (State) and choose the correct option:

	List I		List II
A.	Warli Painting	I.	Bihar
B.	Gond	II.	Odisha
C.	Pata Chitra	III.	Maharashtra
D.	Mithila	IV.	Madhya Pradesh

(A) A–IV, B–III, C–I, D–II
(B) A–III, B–IV, C–II, D–I
(C) A–I, B–III, C–IV, D–II
(D) A–IV, B–I, C–III, D–II

27. Who among the following are NOT recipients of Padma Vibhushan Award 2025?

A. Shri M. T. Vasudevan Nair
B. M. Venkaiah Naidu
C. Shin Osamu Suzuki
D. Bindeshwar Pathak
E. Padma Subrahmanyam

(A) A & B only
(B) B, D & E only
(C) B & C only
(D) B, C & E only

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28. Which of the following is NOT a member of SAFTA (South Asian Free Trade Agreement)?

(A) Maldives
(B) Pakistan
(C) Sri Lanka
(D) Myanmar

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29. Which European country accepts Indian UPI payment?

(A) France
(B) Germany
(C) Greece
(D) Hungary

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30. Who holds the record for winning the highest number of Olympic medals?

(A) Usain Bolt
(B) Michael Phelps
(C) Nikolai Andrianov
(D) Mark Spitz

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31. On which date did EPFO remove Aadhaar as proof of date of birth?

(A) Jan 16, 2020
(B) Jan 16, 2022
(C) Jan 16, 2023
(D) Jan 16, 2024

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32. In which year was the Memorandum of Intent signed between India and the Netherlands to enhance cooperation in medical product regulation?

(A) November 2023
(B) November 2022
(C) November 2021
(D) November 2020

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33. Which institute is responsible to promote international cooperation among monetary authorities and financial supervision of officials through the Basel process?

(A) Bank of International Settlements
(B) International Finance Corporation
(C) International Monetary Fund
(D) International Development Association

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34. Which of the following principles of General Management states, "People and materials must be in suitable places at appropriate time for maximum efficiency"?

(A) Scalar Chain
(B) Order
(C) Remuneration of Employees
(D) Esprit De Corps

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35. A sum of money becomes 4 times itself in 20 years at compound interest. In how many years will it become 16 times itself at the same rate?

(A) 30
(B) 35
(C) 40
(D) 45

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36. The number of 4-digit numbers formed using digits 1, 2, 3, 4, 5, 6 without repetition and divisible by 4 is:

(A) 36
(B) 48
(C) 60
(D) 72

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37. The ratio of the speed of a boat in still water to the speed of the stream is 5:2. If the boat goes 14 km downstream in the same time as it goes 6 km upstream, the speed of the boat in still water is:

(A) 7 km/h
(B) 10 km/h
(C) 14 km/h
(D) 18 km/h

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38. Choose the word that best fits the blank:
The manager's apology was seen as a _____ attempt to pacify the angry employees.

(A) Genuine
(B) Laudable
(C) Perfunctory
(D) Meticulous

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39. The doctrine of "Separation of Powers" in the Indian Constitution is borrowed from:

(A) British Constitution
(B) US Constitution
(C) Canadian Constitution
(D) Irish Constitution

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40. A train covers a certain distance at 60 km/h and returns at 40 km/h. The average speed for the entire journey is:

(A) 48 km/h
(B) 50 km/h
(C) 52 km/h
(D) 54 km/h

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41. Pointing to a photograph, Ramesh says, "She is the daughter of the only son of my grandfather." How is the woman related to Ramesh?

(A) Sister
(B) Cousin

(C) Niece
(D) Daughter

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42. If all ZEBRAs are ANIMALs and some ANIMALs are PETs, which of the following is definitely true?

(A) Some ZEBRAs are PETs
(B) All PETs are ZEBRAs
(C) Some ANIMALs are ZEBRAs
(D) All ANIMALs are ZEBRAs

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43. A certain number of students are standing in a line. One student says, "There are 17 students ahead of me and 18 students behind me." How many students are there in the line?

(A) 34
(B) 35
(C) 36
(D) 37

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44. Choose the correct meaning of the idiom "To steal someone's thunder":

(A) To frighten someone
(B) To take credit for someone else's idea
(C) To copy someone secretly
(D) To interrupt rudely

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45. Which international organization publishes the "World Economic Outlook" report?

(A) World Bank
(B) IMF
(C) WTO
(D) UNDP

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46. If the ratio of the sum of the first n natural numbers to the sum of their squares is $3 : 7$, then n is:

(A) 6
(B) 7
(C) 8
(D) 9

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47. Six people A, B, C, D, E and F are sitting in two rows of three each.
A is not adjacent to B.
C sits opposite D.
E is to the immediate left of A.
Who sits opposite B?

(A) A
(B) C
(C) D
(D) F

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48. The number of distinct arrangements of the letters of the word STATISTICS is:

(A) 50,400
(B) 25,200
(C) 12,600
(D) 5,040