



CMAT 2025 Slot 2 Question Paper

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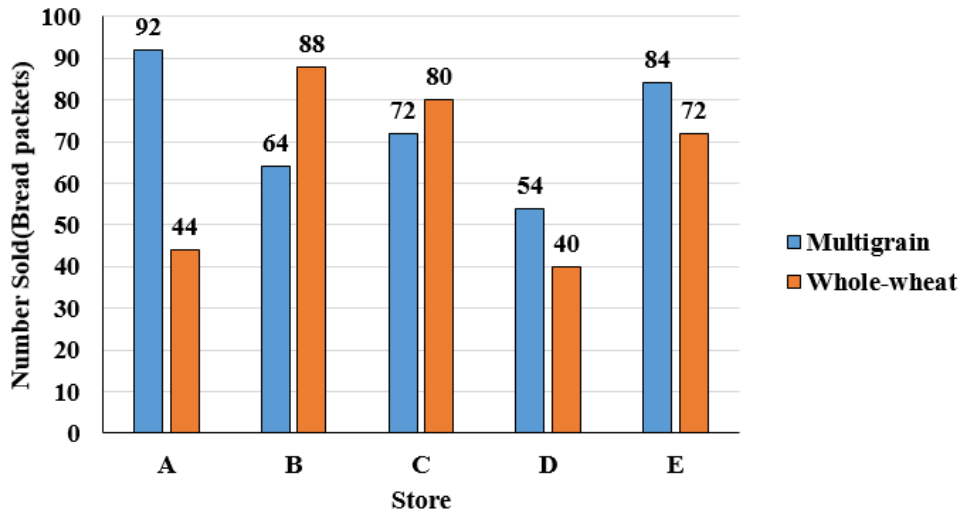
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Quantitative Techniques and Data Interpretation

Instructions [1 - 3]

Comprehension: Study the bar-graph given below carefully and answer the questions. Bar-graph given below shows the number of packets of bread sold by five stores of two types i.e. multi grain and whole wheat.



1. If another store 'F' sold number of multigrain packets which is average number of multigrain packets sold by stores 'C', 'D' and 'E' and average number of whole-wheat packets sold by stores 'A' and 'E'. If store 'B' sold each packet at ₹ 240 and store 'F' sold each packet at 20% more than that of 'B', then total revenue collected by store 'F' is.

- A ₹ 24246
- B ₹ 36864
- C ₹ 28246
- D ₹ 32684



2. The total number of packets sold by store 'C' is approximately what percent more or less than the total number of packets sold by store 'E' ?

- A 3% more
- B 3% less
- C 5% more
- D 5% less

3. Multigrain packets sold by stores 'A' and 'B' together are what percent more or less than whole-wheat packets sold by stores 'C' and 'D' together ?

- A 25% more

- B 25% less
- C 30% less
- D 30% more

4. The probability that the birthdays of 4 different persons will fall in exactly two calendar months is :

- A $\frac{77}{1728}$
- B $\frac{17}{87}$
- C $\frac{11}{144}$
- D $\frac{3}{144}$



5. In a $\triangle PQR$, point X is on PQ and point Y is on PR such that XP = 1.5 units, XQ = 6 units, PY = 2 units and YR = 8 units. Consider the following statements :

Statement I : QR = 5 XY

Statement II : $\triangle PXY$ is similar to $\triangle PRQ$

In the light of the above statements, choose the correct answer from the options given below.

- A Both Statement I and Statement II are true
- B Both Statement I and Statement II are false
- C Statement I is true but Statement II is false
- D Statement I is false but Statement II is true

6. A consignment of 15 wrist watches contains 4 defectives. The wrist watches are selected at random, one by one and examined . The ones examined are not replaced back. What is the probability that ninth one examined is the last defective?

- A $\frac{11}{195}$
- B $\frac{8}{195}$
- C $\frac{17}{195}$
- D $\frac{16}{195}$

7. In how many ways can the following prizes be given away to a class of 30 students, first and second in Mathematics, first and second in Physics, first in Chemistry and first in English?

- A $\frac{30!}{4!}$

- B $(30)^4 \times (29)^4$
- C $(30)^3 - 1$
- D $(30)^4 \times (29)^2$



8. What value comes in place of question mark (?) in the following statements and arrange them in descending order.

A. $\frac{5}{9} \times (225.4 - 45.4) = (?)^2$

B. $\sqrt{1024} \times 40 + (20)^2 + 0.5\% \text{ of } 9600 + 469 = (?)^3$

C. $8^{12} \div 16^2 \text{ of } 32^3 \times \sqrt{256} = (2)^?$

D. $18\frac{1}{3} + 9\frac{2}{3} - 10\frac{1}{3} = 1\frac{2}{3} + ?$

Choose the correct answer from the options given below :

- A D > C > A > B
- B C > A > B > D
- C D > C > B > A
- D C > D > B > A
9. Ravi took a loan from HDBC Bank for his 2-year MBA program at IIM. He took the loan of ₹ 6 lakh such that he would be charged at 8% per annum compound interest during his program and at 10% per annum compound interest after completion of course. He returned half of the amount which he had to pay on the completion of his program and remaining after 2 years. What is the total amount returned by Ravi?
- A ₹ 7.73323 lakh
- B ₹ 6.83231 lakh
- C ₹ 7.58 lakh
- D ₹ 7.336 lakh
10. Amit can do 50% more work than Bhushan in same time. Bhushan alone can do a piece of work in 30 hours. Bhushan starts working and had already worked for 12 hours when Amit joins him. How many hours should Bhushan and Amit work together to complete the remaining work?
- A 6 hours
- B 12 hours
- C 4.8 hours
- D 7.2 hours



CMAT Syllabus PDF



11. A cylindrical box of radius 5 cm contains 10 solid spherical balls, each of radius 5 cm. If the top most ball touches the upper cover of the box, then the volume of empty space in the box is :

- A $\frac{2500}{3}\pi cm^3$
 B $5000\pi cm^3$
 C $2500\pi cm^3$
 D $\frac{5000}{3}\pi cm^3$

12. Given below are two statements:

Statement I : The ratio of the circumference of two circles is 3:4, then the ratio of their area is 9: 16.

Statement II : If the circumference and the area of a circle are numerical equal, then the diameter is equal to 4.

In the light of the above statements, choose the correct answer from the options given below.

- A Both Statement I and Statement II are true
 B Both Statement I and Statement II are false
 C Statement I is true but Statement II is false
 D Statement I is false but Statement II is true

13. Match List I with List II :

	List I		List II
A.	If $4a = 5b$ and $7b = 9c$, then $a : b : c$ is equal to	I.	7 : 9 : 11
B.	If $A = \frac{1}{4} B$ and $B = \frac{1}{2} C$, then $A : B : C$ is equal to	II.	45 : 36 : 28
C.	If $P : Q : R = 2 : 3 : 4$, then $P/Q : Q/R : R/P$ is equal to	III.	1 : 4 : 8
D.	If $a/7 = b/9 = c/11$, then $a : b : c$ is equal to	IV.	8 : 9 : 24

Choose the correct answer from the options given below :

- A A-IV, B-II, C-I, D-III
 B A-IV, B-III, C-I, D-II
 C A-II, B-III, C-I, D-IV
 D A-II, B-III, C-IV, D-I

CMAT Percentile Predictor



14. Three vessels 'P', 'Q' and 'R' of same capacity are all full. Vessels 'P' and 'Q' contain mixture of milk and water in the ratios 4 : 1 and 7 : 3 respectively while vessel 'R' contains only pure milk. The contents of these vessels are poured into a larger vessel 'S'. After drawing 30 litres of mixture from vessel 'S', the final quantity of water left in vessel 'S' is 40 litres, then the capacity of each vessel is :

- A 80 litres
- B 85 litres
- C 90 litres
- D 95 litres

15. Candidates in a competitive examination consisted of 60% men and 40% women. 70% men and 75% women cleared the qualifying test and entered the final test, where 80% men and 70% women were successful. Which of the following statements is/are correct ?

- A. Success rate is higher for women.
- B. More men cleared the examination than women.
- C. Success rate is higher for men.
- D. Overall success rate is below 50%

Choose the correct answer from the options given below :

- A A only
- B A and D only
- C B and D only
- D B and C only

16. Arrange the following in descending order :

- A: $\sqrt{401} - \sqrt{399}$
- B: $\sqrt{301} - \sqrt{299}$
- C: $\sqrt{101} - \sqrt{99}$
- D: $\sqrt{201} - \sqrt{199}$

- A $C > A > B > D$
- B $D > C > B > A$
- C $C > B > A > D$
- D $C > D > B > A$



17. The value of $\left(\frac{x^a}{x^b}\right)^{(a^2+ab+b^2)} \left(\frac{x^b}{x^c}\right)^{(b^2+bc+c^2)} \left(\frac{x^c}{x^a}\right)^{(c^2+ca+a^2)}$ is:

- A -1
- B x^{abc}
- C 1
- D $x^{(a+b+c)}$

18. A person sold an article for ₹ 136 and incurred 15% loss. Had he sold it for ₹ x , he would have obtained a profit of 15%. Which one of the following is correct ?

- A $190 < x < 200$
- B $180 < x < 190$
- C $170 < x < 180$
- D $160 < x < 170$

19. Ramesh purchased two mobile phones from a shop. He sold first mobile phone at the price of ₹ 18750 and the second mobile phone at the price of ₹ 14250. If the profit percent on first mobile phone is five times of the loss percent on the second mobile phone, then find out the overall profit made by Ramesh after selling both the mobile phones, given that he purchased both at same cost.

- A 15%
- B 14%
- C 12%
- D 10%



20. The length of a rectangle is increased by 25%. By what percent should its breadth be decreased so as to maintain the same area ?

- A 20%
- B 25%
- C 30%
- D 40%



Logical Reasoning

21. A cat runs 20 metres towards East and turns to right, runs 10 m and turns to right, runs 9 m and turns to left, runs 5 m and turns to left, runs 12 m and finally turns to left and runs 6m. Now, which direction is the cat facing ?

- A East
- B West
- C North
- D North-West

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A cat runs 20 metres towards East and turns to right, runs 10 m and turns to right, runs 9 m and turns to left, runs 5 m and turns to left, runs 12 m and finally turns to left and runs 6m. Now, which direction is the cat facing?

A) East
B) West
C) North
D) North-West

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VIDEO SOLUTION



22. How many such pairs of digits are there in the number 8314629 each of which has as many digits between them in the number as after arranging the digits in descending order?

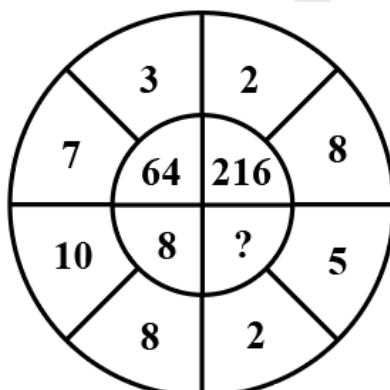
- A Two
- B Three
- C Four
- D Five

23. Four pair of words are given below, out of which the words in three pairs bear a certain common relationship.

Choose the pair in which words are differently related :

- A Waist : Belt
- B Neck: Tie
- C Wrist : Band
- D Shoe : Laces

24. The missing term in the following figure is:



- A 125

- B 36
- C 81
- D 27



25. A cube of white material is painted red on all its surfaces. If it is cut into 125 smaller cubes of same size, then how many cubes will have two sides painted red?

- A 18
- B 32
- C 24
- D 36

26. Match List I with List II :

List I (Group of things)		List II (Diagrams)
(A) Flowers, White , Clothes	I.	
(B) Furniture, Books, Table	II.	
(C) Carrot, Food, Vegetable	III.	
(D) Pocket, Shirt, Collar	IV.	

Choose the correct answer from the options given below :

- A A-I, B-III, C-IV, D-II
- B A-I, B-III, C-II, D-IV
- C A-III, B-I, C-II, D-IV
- D A-III, B-I, C-IV, D-II

Match List I with List II :

List I (Group of things)	List II (Diagram)
(A) Flowers, White, Clothes	I.
(B) Furniture, Books, Table	II.
(C) Cereal, Food, Vegetable	III.
(D) Product, Shirt, Color	IV.

Choose the correct answer from the options given below :

A) A-I, B-III, C-IV, D-II
 B) A-I, B-III, C-II, D-IV
 C) A-III, B-I, C-II, D-IV
 D) A-III, B-I, C-IV, D-II

VIDEO SOLUTION

27. Given below are two statements : one is labelled as Assertion (A) and the other is labelled as Reason (R) :

Assertion (A) : Seeds should be treated with fungicide solution before being sown.

Reason (R) : Seeds do not germinate, unless treated with fungicide solution.

In the light of the above statements, choose the correct answer from the options given below :

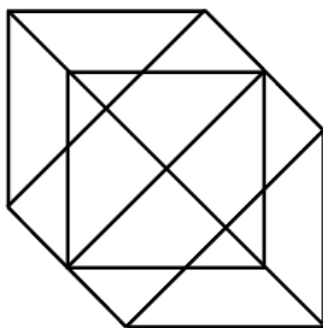
- A Both (A) and (R) are true and (R) is the correct explanation of (A)
- B Both (A) and (R) are true but (R) is not the correct explanation of (A)
- C (A) is true but (R) is false
- D (A) is false but (R) is true



CMAT Syllabus PDF



28. How many triangles does the following figure have?



- A 20
- B 24
- C 18
- D 26

29. The following question consists of a statement and arguments I and II. Choose the best option.

Statement : Should the renowned businessman of the country who have committed crime unknowingly, be met with special treatment ?

Argument I : Yes. The renowned businessman do not commit crime intentionally.

Argument II : No, its our policy that everybody is equal before law.

- A Only argument I is strong .
- B Only argument II is strong.
- C Neither argument I nor II is strong.
- D Both arguments I and II are strong.

30. Identify the wrong term in the series:

69 , 55 , 26, 13, 5 .

- A 5
- B 13
- C 26
- D 55



31. In a certain code language, POETRY is written as QONDSQX. How is MORE written in that code language ?

- A LNNQD
- B>NNLQD
- C NLPQF
- D NLNQD

32. Pointing towards a lady in the picture, Purnima said "She is the mother of Neha whose father is my son." How is Purnima related to the lady in the picture ?

- A Mother
- B Cousin
- C Aunt
- D Mother-in-law

33. Consider the statements given below followed by two assumptions and decide which of the assumptions is/are implicit in the statement.

Statement : The company has recently announced a series of incentives to the employees who are punctual and sincere.

Assumption I : Those who are not punctual at present may get motivated by the announcement

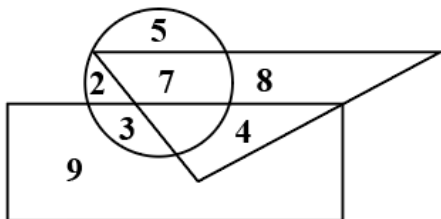
Assumption II : The productivity of the company may increase.

- A Only assumption I is implicit

- B Only assumption II is implicit
- C Neither assumption I nor II is implicit
- D Both assumptions I and II are implicit

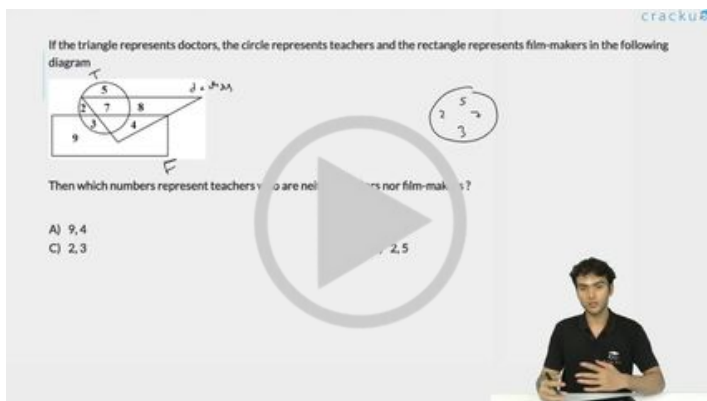


34. If the triangle represents doctors, the circle represents teachers and the rectangle represents film-makers in the following diagram



Then which numbers represent teachers who are neither doctors nor film-makers ?

- A 9, 4
- B 8, 7
- C 2, 3
- D 2, 5



VIDEO SOLUTION

35. Arrange the following words in a meaningful sequence and choose most appropriate sequence from the given alternatives.

- A. Puberty
- B. Adulthood
- C. Childhood
- D. Infancy
- E. Adolescence

Choose the correct answer from the options given below :

- A D, B, A, E, C

- B B, D, E, C, A
- C D, C, A, E, B
- D C, D, E, A, B

36. A dice is thrown three times and its three different positions are given below. The number on the face opposite the face showing 3 is:



- A 1
- B 4
- C 5
- D 6

A dice is thrown three times and its three different positions are given below. The number on the face opposite the face showing 3 is:

A) 1
B) 4
C) 5
D) 6

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VIDEO SOLUTION

CMAT Questions

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37. A clock is set right at 11 am. The clock gains 12 minutes in a day. What will be the true time when the watch indicates 5 pm on the next day?

- A 48 minutes past 3 pm
- B 45 minutes past 3 pm
- C 45 minutes past 4 pm
- D 51 minutes past 4 pm

38. L, M, N, O, P, Q and R are sitting around a circular table facing the centre. "O" is sitting between L and R. Q is second to the right of R and P is second to the right of Q. N is not an immediate neighbour of R. Which of the following statements are correct ?

- A. P sits to the opposite of N
- B. L sits exactly between O and P

- C. M is third to the left of N
D. R is second to the right of L

Choose the most appropriate answer from the options given below :

- A B, C and D only
B A and B only
C C and D only
D B and D only

39. A statement followed by two conclusions numbered I and II is given below. Assume everything in the statements to be true, consider the two conclusions and decide which of them logically follows beyond a reasonable doubt from the information given in the statement.

Statement : Any young man, who makes dowry as a condition for marriage, discredits himself and dishonours womanhood.

Conclusion I: Those who take dowry in marriage should be condemned by society .

Conclusion II : Those who do not take dowry in marriage respect womanhood.

- A Only conclusion I follows
B Only conclusion II follows
C Both I and II follow
D Neither I nor II follows



40. Choose the correct word from the given alternatives which bears the same relationship to the third word as the first two.

Anaemia : Blood :: Anarchy : ?

- A Lawlessness
B Monarchy
C Government
D Disorder



Language Comprehension

41. Choose the odd one out.

- A He had been working on this project for seven years.
B Shankar had been playing in the field for seven hours.



C Shabari had been waiting for Rama's arrival for many years.

D We all have been residing in this society since 1997.

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Choose the odd one out.

A) He had been working on this project for seven years. B) Shankar had been playing in the field for seven hours.
C) Shabari had been waiting for Rama's arrival for many years. D) We all have been residing in this society since 1997.



VIDEO SOLUTION



42. Which one of the following is grammatically correct?

A Roma said to Hema that Rajan was absent

B Roma said to Hema that Rajan is absent.

C Roma told Hema that Rajan was absent.



D Roma told Hema, Rajan was absent.

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Which one of the following is grammatically correct?

A) Roma said to Hema that Rajan was absent. B) Roma said to Hema that Rajan is absent.
C) Roma told Hema that Rajan was absent. D) Roma told Hema, Rajan was absent.

Handwritten: told



VIDEO SOLUTION

43. Pick the correct option to complete the following sentence. Mr. Jackson is known _____ us.

A By

B With

C To

D On

Pick the correct option to complete the following sentence. Mr. Jackson is known _____ us.

A) By
C) To

B) With
D) On

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VIDEO SOLUTION

44. Choose the alternative which best expresses the **meaning of the underlined phrase** in the following sentence.

The officer was in the soup when there was a raid in his office.

- A sleeping
- B in trouble
- C collecting money
- D angry

Choose the alternative which best expresses the meaning of the underlined phrase in the following sentence.
The officer was in the soup when there was a raid in his office.

A) sleeping
~~C) collecting money~~

B) in trouble

Idiom: in trouble

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VIDEO SOLUTION



CMAT Syllabus PDF



45. Which one of the following is a grammatically correct sentence?

- A I have been waiting you for an hour.
- B I have been awaiting you for a hour.
- C I have awaited for you for a hour.

D I have been awaiting you for an hour.

Which one of the following is a grammatically correct sentence?

A) I have been waiting you for an hour.
B) I have been awaiting you for a hour.
C) I have awaited for you for a hour.
D) I have been awaiting you for an hour.

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VIDEO SOLUTION

46. Read the following sentence and from the options given below identify its correct passive form.
Your story does not interest me.

- A I am not interested by your story.
- B I am not interested in your story.
- C I am not interested at your story.
- D I am not interested to your story.

Read the following sentence and from the options given below identify its correct passive form.
Your story does not interest me.

A) I am not interested by your story.
B) I am not interested in your story.
C) I am not interested at your story.
D) I am not interested to your story.

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VIDEO SOLUTION

Instructions [47 - 49]

Comprehension: The Earth is getting warmer, and the oceans are rising. Why is it happening so? One answer is that it could simply be a part of a natural process. After all, there have been ice ages and long periods of warmth in the past. However, now scientists believe that human activity is the cause. For more than 200 years, human activities have changed drastically (i) (for example, industrial pollution), which have contributed to creating a layer in the atmosphere around the Earth like a giant glass container, affecting the temperatures. Unwariness (ii) of humans may lead to a big global catastrophe in the future, harmful not only to the existence of humanity but to other living and non-living beings too.

47. Which of the following options is closer to the meaning of the underlined word (ii)?

- A Heedfulness

- B Dereliction
- C Vigilance
- D Alertness

Comprehension: The Earth is getting warmer, and the oceans are rising. Why is it happening so? One answer is that it could simply be a part of a natural process. After all, there have been ice ages and long periods of warmth in the past. However, now scientists believe that human activity is the cause. For more than 200 years, human activities have changed gradually (i) (for example, industrial pollution), which have contributed to creating a layer in the atmosphere around the Earth like a giant glass container, affecting the temperatures. Unawareness (ii) of humans may lead to a big global catastrophe in the future, harmful not only to the existence of humanity but to other living and non-living things too.

Question (2)
Which of the following options is the near opposite of the underlined word (i) ?

A) Hastily
B) Abruptly
C) Fractionally
D) Sharply



VIDEO SOLUTION

CMAT Percentile Predictor




48. Which of the following options is the near opposite of the underlined word (i) ?

- A Hastily
- B Abruptly
- C Fractionally
- D Sharply

Comprehension: The Earth is getting warmer, and the oceans are rising. Why is it happening so? One answer is that it could simply be a part of a natural process. After all, there have been ice ages and long periods of warmth in the past. However, now scientists believe that human activity is the cause. For more than 200 years, human activities have changed gradually (i) (for example, industrial pollution), which have contributed to creating a layer in the atmosphere around the Earth like a giant glass container, affecting the temperatures. Unawareness (ii) of humans may lead to a big global catastrophe in the future, harmful not only to the existence of humanity but to other living and non-living things too.

Question (2)
Which of the following options is the near opposite of the underlined word (i) ?

A) Hastily
B) Abruptly
C) Fractionally
D) Sharply



VIDEO SOLUTION

49. On the basis of the paragraph which of the following statements is correct?

- A Scientists now believe that warming of the Earth is a natural process.
- B The last two centuries have witnessed human activities detrimental to atmospheric naturalness

C Human activities may lead to a major harm to the existence of other living beings too.

D Industrial pollution has drastically increased in the last two centuries.

Comprehension: The Earth is getting warmer, and the oceans are rising. Why is it happening so? One answer is that it could simply be a part of a natural process. After all, there have been ice ages and long periods of warmth in the past. However, now scientists believe that human activity is the cause. For more than 200 years, human activities have changed drastically (for example, industrial pollution), which have contributed to creating a layer in the atmosphere around the Earth like a giant glass container, affecting the temperatures. Unwisdom (II) of humans may lead to a big global catastrophe in the future, harmful not only to the existence of humanity but to other living and non-living things too.

Question (2)
Which of the following options is the near opposite of the underlined word (II)?

A) Hastily
B) Abruptly
C) Functionally
D) Sharply

VIDEO SOLUTION

50. Match List I with List II :

	List I		List II
A.	An embarrassing mistake	I.	A Faux pas
B.	Like a weak old woman	II.	Anile
C.	Song in praise of God	III.	Hymn
D.	Murder of wife	IV.	Uxoricide

Choose the correct answer from the options given below:

A A-I, B-II , C-III, D-IV

B A-IV, B-III, C-II , D-I

C A-III, B-I, C-II, D-IV

D A-II, B-III, C-IV, D-I

Match List I with List II :

List I	List II
A. An embarrassing mistake	I. A Faux pas
B. Like a weak old woman	II. Anile
C. Song in praise of God	III. Hymn
D. Murder of wife	IV. Uxoricide

Choose the correct answer from the options given below:

A) A-I, B-II , C-III, D-IV
B) A-IV, B-III, C-II , D-I
C) A-III, B-I, C-II, D-IV
D) A-II, B-III, C-IV, D-I

VIDEO SOLUTION

 **CMAT Score Calculator** 

51. Arrange the following in the correct order.

- A. The founder of this tradition was a thirteenth-century poet, Jayadeva, who wrote in Sanskrit.
- B. Later poets like Vidyapati in Maithili, Narsi in Gujarati, and Chandidas in Bengali, followed Jayadeva's Gita Govinda as the model for their songs.
- C. At present, a huge repository of song poems dedicated to Sri Krishna in the same tradition is available to contemporary Krishna devotees.
- D. Mirabai inherited a long, rich tradition of song-poems dedicated to Sri Krishna.

Choose the correct answer from the options given below :

- A C, D, B, A
- B D, A, C, B
- C D, A, B, C
- D C, B, D, A



VIDEO SOLUTION

52. Given below are two statements : one is labelled as Assertion (A) and the other is labelled as Reason (R) :

Assertion (A) : The following sentence is an example of a simple sentence :
"Without saying a word, Ashraf ran away from home, in great haste."

Reason (R): A simple sentence is a sentence which contains a main clause and one or more subordinate clauses, dependent on the main clause.

In the light of the above statements, choose the correct answer from the the options given below :

- A Both (A) and (R) are true and (R) is the correct explanation of (A)
- B Both (A) and (R) are true but (R) is not the correct explanation of (A)
- C (A) is true but (R) is false
- D (A) is false but (R) is true

53. Read the following sentences and choose the ones which are grammatically correct.

- A. The book you want is out of print.
- B. He was wounded in the leg.
- C. I walk to the store and I bought milk.
- D. We enjoys horror movies.

Choose the correct answer from the options given below :

- A A and B only
- B B, C and D only
- C A, C and D only
- D A, B and D only

Read the following sentences and choose the ones which are grammatically correct.

A. The book you want is out of print. →

B. He was wounded in the leg. →

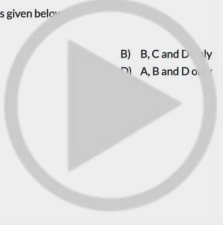
C. I walk to the store and I bought milk. → *walk → present, bought → past.*

D. We enjoys horror movies.

Choose the correct answer from the options given below:

A) A and B only B) B, C and D only

C) A, C and D only D) A, B and D only



VIDEO SOLUTION



54. Choose the alternative which best expresses the **opposite meaning** of the underlined phrase in the following sentence.

At his wits end, he turned to his old trade.

- A Knowing what to do
- B Not knowing what to do
- C Being overjoyed
- D Confidently


Choose the alternative which best expresses the **opposite meaning** of the underlined phrase in the following sentence.

At his wits end, he turned to his old trade.

A) Knowing what to do B) Not knowing what to do

C) Being overjoyed D) Confidently

(At his wits end) → tired, does not know what to do, puzzled.



VIDEO SOLUTION

55. Match List I with List II :

	List I		List II
A.	I hurt myself.	I.	Emphatic pronoun
B.	This book is mine.	II.	Distributive pronoun
C.	He himself said so.	III.	Reflexive pronoun
D.	Each of the boys gets a prize.	IV.	Demonstrative pronoun

Choose the correct answer from the options given below :

- A A-I, B-II, C-III, D-IV
- B A-I, B-III, C-IV, D-II
- C A-III , B-IV, C-I, D-II
- D A-II, B-III, C-IV, D-I

[VIDEO SOLUTION](#)

56. Given below are two statements :

Statement I: An adjective is said to be used attributively when it qualifies a noun directly

Statement II: An adjective is said to be used predicatively when it qualifies a noun or pronoun indirectly

In the light of the above statements, choose the most appropriate answer from the options given below :

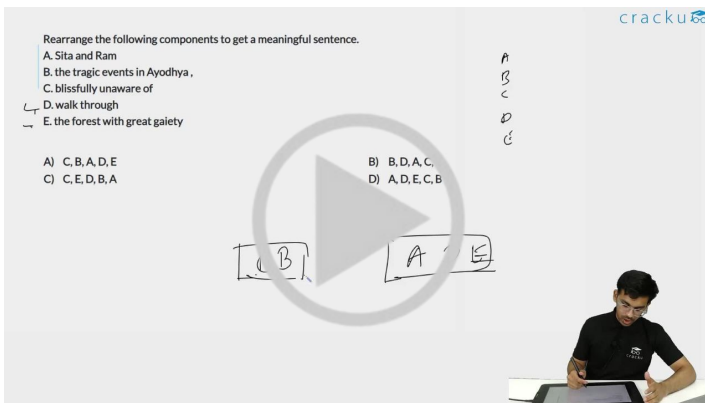
- A Both Statement I and Statement II are true
- B Both Statement I and Statement II are false
- C Statement I is true but Statement II is false
- D Statement I is false but Statement II is true



57. Rearrange the following components to get a meaningful sentence.

- A. Sita and Ram
- B. the tragic events in Ayodhya ,
- C. blissfully unaware of
- D. walk through
- E. the forest with great gaiety

- A** C, B, A, D, E
- B** B, D, A, C, E
- C** C, E, D, B, A
- D** A, D, E, C, B



58. Read the following sentences and choose the ones belonging to the domain of complex sentences.

- A. That Shankar is clever is certain.
- B. I do not know whether the principal is in the office.
- C. Rennie is not only kind but also devoted.
- D. Can you tell me the reason why Mukti never smiles ?

Choose the correct answer from the options given below :

- A** A, Band Only
- B** B, C and D only
- C** A, C and D only
- D** A, B and D only

Read the following sentences and choose the ones belonging to the domain of complex sentences.

A) That Shankar is clever is certain.
 B) I do not know whether the principal is in the office.
 C. Rennie is not only kind but also devoted.
 D. Can you tell me the reason why Mukti never smiles?

Choose the correct answer from the options given below:

A) A, B and C only
 B) B, C and D only
 C) A, C and D only
 D) A, B and D only

Complex
 Main clause
 Subordinate

VIDEO SOLUTION

Instructions [59 - 60]

Comprehension: Read the following excerpt and answer the questions that follow : "I have not planned anything. I am trying to observe the enemy's movements but have not been able to understand their actics . However, I trust in Jagdamba, who has always helped me out of the clutches of defeat. I will not lose my faith in her in these troubled times."

59. The speaker in the given excerpt is a ____ speaker

- A First person
- B Second person
- C Third person
- D Not clear

Comprehension: Read the following excerpt and answer the questions that follow : "I have not planned anything. I am trying to observe the enemy's movements but have not been able to understand their actics . However, I trust in Jagdamba, who has always helped me out of the clutches of defeat. I will not lose my faith in her in these troubled times."

Question (2)
 Which of the following is incorrect on the basis of the given excerpt.

A) The speaker seems to be a warrior.
 B) He is quite religious
 C) He has not been able to know about his enemy's plans
 D) He is so upset that his faith has wavered now

VIDEO SOLUTION



60. Which of the following is incorrect on the basis of the given excerpt.

- A The speaker seems to be a warrior.
- B He is quite religious


C He has not been able to know about his enemy's plans

D He is so upset that his faith has wavered now

Comprehension: Read the following excerpt and answer the questions that follow: "I have not planned anything. I am trying to observe the enemy's movements but have not been able to understand their acts. However, I trust in Jagdamba, who has always helped me out of the clutches of defeat. I will not lose my faith in her in these troubled times."

Question (2)
Which of the following is incorrect on the basis of the given excerpt.

A) The speaker seems to be a warrior. B) He is quite religious.
C) He has not been able to know about his enemy's plans. D) He is so upset that his faith has wavered now.



VIDEO SOLUTION

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General Awareness

61. Which of the following statements are correct?

- A. Finance Commission is a constitutional body, constituted by the President under Article 280 of the Constitution.
- B. The First Finance Commission was constituted under the chairmanship of K.C. Niyogi.
- C. The 15th Finance Commission for the period 2020-25 was constituted with N.K. Singh as chairman.
- D. The R Chelliah Committee was constituted in 1994 to suggest reforms in the banking system.

Choose the correct answer from the options given below:

- A B, C & D only
- B A & C only
- C A, B & C only
- D A & B only



CMAT Syllabus PDF



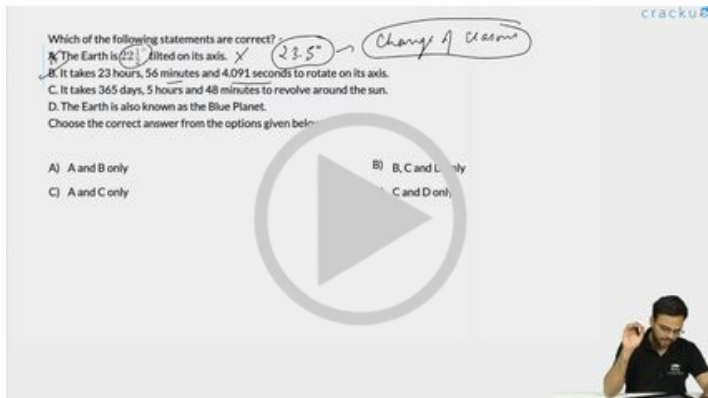
62. Which of the following statements are correct?

- A. The Earth is $22\frac{1}{2}^{\circ}$ tilted on its axis.
- B. It takes 23 hours, 56 minutes and 4.091 seconds to rotate on its axis.
- C. It takes 365 days, 5 hours and 48 minutes to revolve around the sun.
- D. The Earth is also known as the Blue Planet.

Choose the correct answer from the options given below:

- A A and B only

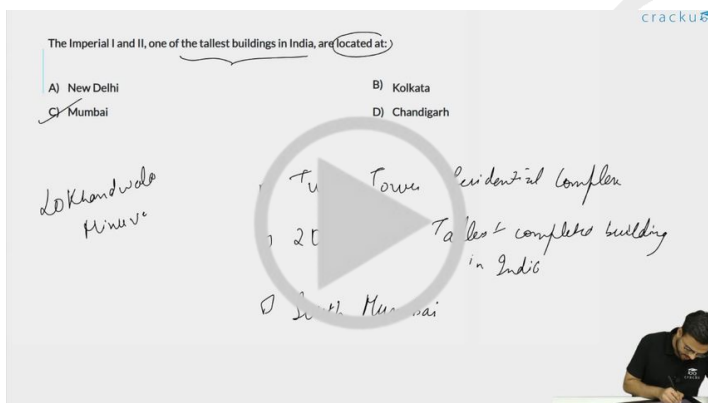
- B B, C and D only
- C A and C only
- D C and D only



[VIDEO SOLUTION](#)

63. The Imperial I and II, one of the tallest buildings in India, are located at:

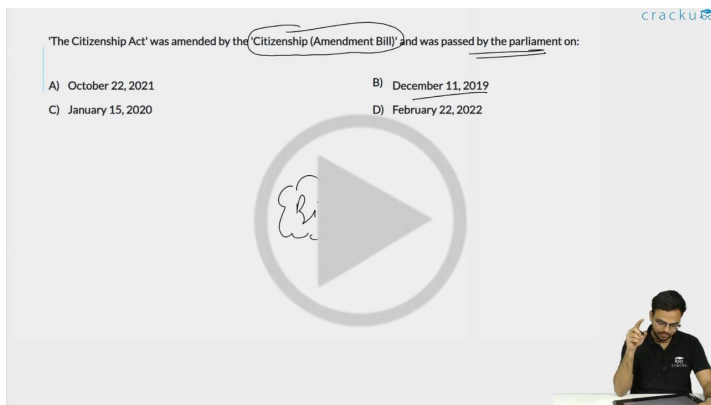
- A New Delhi
- B Kolkata
- C Mumbai
- D Chandigarh



[VIDEO SOLUTION](#)

64. 'The Citizenship Act' was amended by the 'Citizenship (Amendment Bill)' and was passed by the parliament on:

- A October 22, 2021
- B December 11, 2019
- C January 15, 2020
- D February 22, 2022



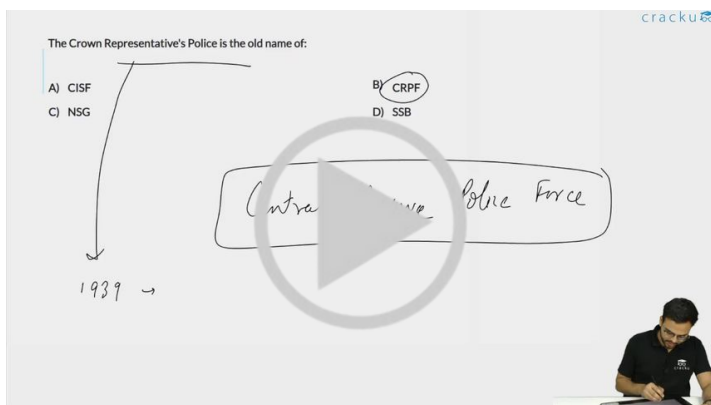
VIDEO SOLUTION

CMAT Percentile Predictor



65. The Crown Representative's Police is the old name of:

- A CISF
- B CRPF
- C NSG
- D SSB



VIDEO SOLUTION

66. 'Pulitzer Prize' is awarded in the field of:

- A Literature
- B Journalism
- C Music
- D Public Service

67. Match List I with List II :

	List I		List II
A.	Chief Election Commissioner	I.	Sanjeev Khanna
B.	Chief Justice of India	II.	Jagdeep Dhankhar
C.	RBI Governor	III.	Sanjay Malhotra
D.	Chairman of Upper House	IV.	Rajiv Kumar

Choose the correct answer from the options given below :

- A A-II, B-I, C-III, D-IV
- B A-IV, B-III, C-I, D-II
- C A-IV, B-I, C-III, D-II
- D A-I, B-IV, C-III, D-II



68. Which of the following statements are correct?

- A. A speedy increase in the field of milk production is called the white revolution .
- B. To increase the pace of the white revolution, Operation Flood was started.
- C. The father of Operation Flood was Dr Verghese Kurien.
- D. The Operation Flood was started by the National Dairy Research Institute in 1975.

Choose the correct answer from the options given below:

- A A & D only
- B B & C only
- C A, B & C only
- D A, B, C & D

69. Match List I with List II

	List I (Organisation)		List II (Founder)
A.	Abhinav Bharat	I.	Bhagat Singh
B.	Gadar Party	II.	Allan Octavian Hume
C.	Indian National Congress	III.	Lala Hardyal
D.	Bharat Naujawan Sabha	IV.	V.D. Savarkar

Choose the correct answer from the options given below :

- A A-II, B-I, C-IV, D-III
- B A-I, B-II, C-III, D-IV
- C A-IV, B-III, C-II, D-I
- D A-IV, B-III, C-I, D-II

70. Given below are two statements : one is labelled as Assertion (A) and the other is labelled as Reason (R) :

Assertion (A): There is a coalition government in the State of Maharashtra in India.

Reason (R) : No single party could secure majority in the house in recent elections of the Maharashtra State.

In the light of the above statements, choose the correct answer from the the options given below:

- A Both (A) and (R) are true and (R) is the correct explanation of (A)
- B Both (A) and (R) are true but (R) is not the correct explanation of (A)
- C (A) is true but (R) is false
- D (A) is false but (R) is true



71. Which of the following statements are correct ?

- A. Vishwa Bharati is founded by Rabindra Nath Tagore
- B. Auroville Ashram is founded by Aurobindo Ghosh
- C. Golden Temple is founded by Guru Gobind Singh
- D. Khalsa Panth is founded by Guru Arjan Dev

Choose the correct answer from the options given below:

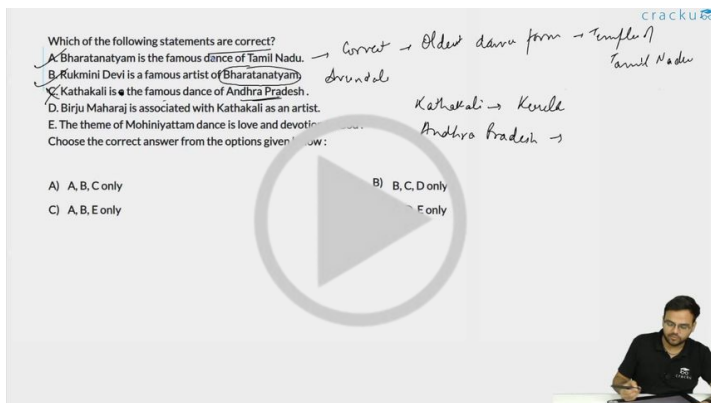
- A A and B only
- B A, B and C only
- C A and Conly
- D B, C and D only

72. Which of the following statements are correct?

- A. Bharatanatyam is the famous dance of Tamil Nadu.
- B. Rukmini Devi is a famous artist of Bharatanatyam.
- C. Kathakali is a the famous dance of Andhra Pradesh .
- D. Birju Maharaj is associated with Kathakali as an artist.
- E. The theme of Mohiniyattam dance is love and devotion to God .

Choose the correct answer from the options given below :

- A A, B, C only
- B B, C, D only
- C A, B, E only
- D C, D, E only



VIDEO SOLUTION

73. Match List I with List II :

	List I (Committee of the Constituent Assembly)		List II (Chairman)
A.	Committee on the functions of the Constituent Assembly	I.	Pattabhi Sitaramayya
B.	House Committee	II.	G.V. Mavalankar
C.	Committee on the rules of procedure	III.	Dr. B.R. Ambedkar
D.	Drafting Committee	IV.	Dr. Rajendra Prasad

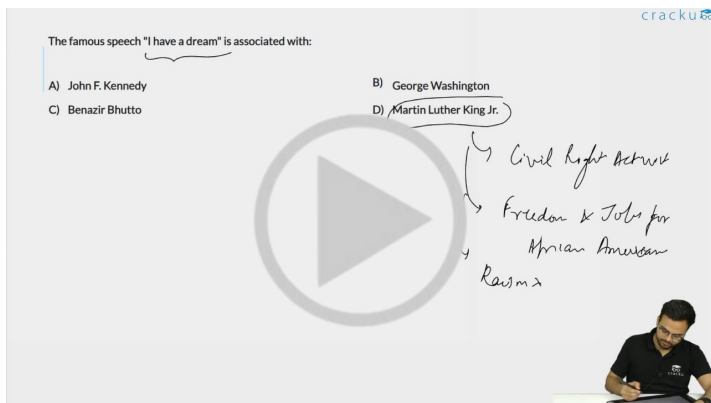
Choose the correct answer from the options given below :

- A A-IV, B-I, C-III, D-II
- B A-IV, B-II, C-I, D-III
- C A-I, B-II, C-IV, D-III
- D A-II, B-I, C-IV, D-III



74. The famous speech "I have a dream" is associated with:

- A John F. Kennedy
- B George Washington
- C Benazir Bhutto
- D Martin Luther King Jr.



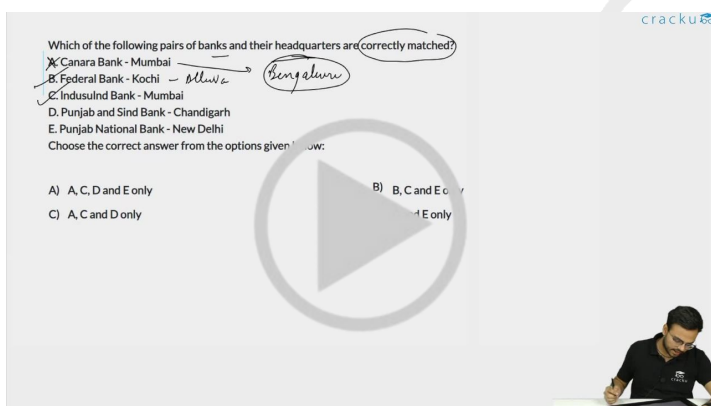
VIDEO SOLUTION

75. Which of the following pairs of banks and their headquarters are correctly matched?

- A. Canara Bank - Mumbai
- B. Federal Bank - Kochi
- C. IndusInd Bank - Mumbai
- D. Punjab and Sind Bank - Chandigarh
- E. Punjab National Bank - New Delhi

Choose the correct answer from the options given below:

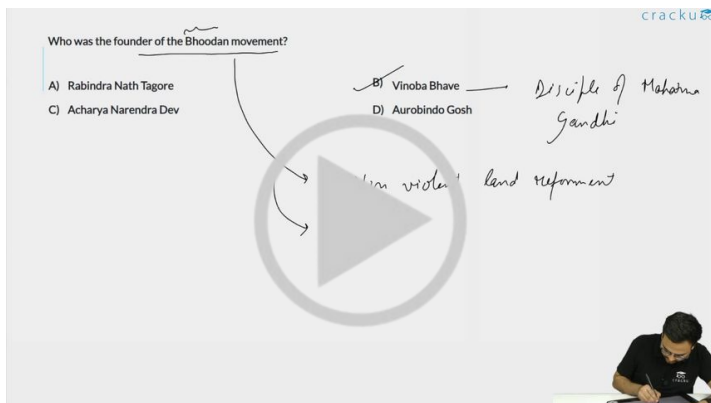
- A A, C, D and E only
- B B, C and E only
- C A, C and D only
- D B and E only



VIDEO SOLUTION

76. Who was the founder of the Bhodan movement?

- A Rabindra Nath Tagore
- B Vinoba Bhave
- C Acharya Narendra Dev
- D Aurobindo Gosh



VIDEO SOLUTION



77. Match List I with List II :

	List I		List II
A.	Volleyball	I.	Ring
B.	Table Tennis	II.	Service court
C.	Basketball	III.	Hook serve
D.	Badminton	IV.	Half court

Choose the correct answer from the options given below:

- A A-II, B-III, C-IV, D-I
- B A-III, B-I, C-II, D-IV
- C A-II , B-IV, C-III, D-I
- D A-III, B-II, C-I, D-IV

78. The first Chief Election Commissioner of India was:

- A S.P. Sen Verma
- B Sukumar Sen
- C T. Swaminathan
- D B.K. Mukherjee

The first Chief Election Commissioner of India was:

A) S.P. Sen Verma
B) Sukumar Sen
C) T. Swaminathan
D) B.K. Mukherjee

Handwritten notes: 1951 → 1957, General elections of India, 1951-57

VIDEO SOLUTION

79. Match List I with List II :

	List I		List II
A.	Gol Gumbaz	I.	Amritsar
B.	Nishat Bagh	II.	Bijapur
C.	Golden Temple	III.	Srinagar
D.	Anand Bhawan	IV.	Allahabad

Choose the correct answer from the options given below :

- A A-I, B-II, C-IV, D-III
B A-II, B-IV, C-I, D-III
C A-II, B-III, C-I, D-IV
D A-III, B-II, C-IV, D-I

Match List I with List II:

List I	List II
A. Gol Gumbaz	I. Amritsar
B. Nishat Bagh	II. Bijapur
C. Golden Temple	III. Srinagar
D. Anand Bhawan	IV. Allahabad

Handwritten notes: A - II, B - IV, C - I, D - III

Choose the correct answer from the options given below :

A) A-I, B-II, C-IV, D-III
B) A-II, B-IV, C-I, D-III
C) A-II, B-III, C-I, D-IV
D) A-III, B-II, C-IV, D-I

Handwritten notes: Garden of Joy

VIDEO SOLUTION

CMAT Previous Papers

with detailed video solutions and analysis

80. The first post office of India was opened in:

- A Delhi
- B Mumbai
- C Lucknow
- D Kolkata



VIDEO SOLUTION



CMAT Syllabus PDF



Innovation and Entrepreneurship

81. Match List I with List II :

	List I		List II
A.	Patent	I.	Self funding
B.	Bootstrapping	II.	Small contribution from many people
C.	Crowdfunding	III.	Change in business direction
D.	Pivot	IV.	Intellectual property protection

Choose the correct answer from the options given below :

- A A-IV, B-II, C-I, D-III
- B A-IV, B-I, C-II, D-III
- C A-IV, B-III, C-II, D-I
- D A-IV, B-I, C-III, D-II

CMAT Percentile Predictor



82. Read the following statements and respond to the question that follows :

- A. The primary goal of a startup pitch is to secure funding or support from investors.
- B. 'Innovation' and 'adaptability' best describe an entrepreneurial mindset.
- C. A non-profit organisation is one example of a startup.
- D. Neeti Ayog was earlier known as the Planning Commission.
- E. Dr Manmohan Singh was the Governor of the RBI and died recently.

Choose the correct answer from the options given below :

- A A and B are correct statements.
- B C and D are correct statements.
- C A, B, D and E are correct statements.
- D A, B and D are correct statements.

83. Which term refers to the initial phase of a startup when it starts to develop its product?

- A Ideation
- B Pivoting
- C Scaling
- D Bootstrapping

84. Which one of the following is not a correct statement ?

- A Dr Manmohan Singh was the finance minister in the Union Government from 1991 to 1996 and initiated economic reforms.
- B Dr Manmohan Singh was the Governor of the Reserve Bank of India from 1982 to 1985.
- C Dr Manmohan Singh was the UGC Chairman in the early 90s.
- D Dr Manmohan Singh was elected to the Lok Sabha and became the Prime Minister as a member of the lower house.



85. Which of the following is/are one of the various 'forms of feasibility' analysis:

- A. Industry/Market analysis
- B. Corporate leadership analysis
- C. Organisational feasibility analysis
- D. Financial feasibility analysis
- E. Product/Service feasibility analysis

Choose the correct answer from the options given below :

- A A, C, D and E only
- B A, C and D only
- C A, B, C and D only
- D C, D and E only

86. Given below are two statements: one is labelled as Assertion (A) and the other is labelled as Reason (R) :

Assertion (A): Venture capital investment helps nurture innovative entrepreneurship in India.

Reason (R): The venture capital investment is a risk financing generally available in the form of equity or quasi-equity, like a convertible loan instrument, for supporting startups.

In light of the above statements, choose the most appropriate answer from the options given below:

- A Both (A) and (R) are true and (R) is the correct explanation of (A)
- B Both (A) and (R) are true but (R) is not the correct explanation of (A)
- C (A) is true but (R) is false
- D (A) is false but (R) is true

87. Given below are two statements: one is labelled as Assertion (A) and the other is labelled as Reason (R) :

Assertion (A): Apart from 'Mind Mapping', 'Reverse thinking', 'Brainstorming', and 'Brainwriting', technology has made it easier to generate quality ideas for innovation and entrepreneurship.

Reason(R): "Ideas are the building blocks for all innovation. They are what we work on, so the first step in starting anything new is finding that idea. We must make use of the different tools and techniques available to us to come up with quality ideas."

In light of the above statements, choose the most appropriate answer from the options given below :

- A Both (A) and (R) are true and (R) is the correct explanation of (A)
- B Both (A) and (R) are true but (R) is not the correct explanation of (A)
- C (A) is true but (R) is false
- D (A) is false but (R) is true



88. Given below are two statements:

Statement I: Incremental innovation is concerned with the gradual improvement of existing products, services, processes, competitive positions, and organisational paradigms.

Statement II: Radical innovation involves a much higher risk than incremental innovation.

In light of the above statements, choose the most appropriate answer from the options given below:

- A Both Statement I and Statement II are correct
- B Both Statement I and Statement II are incorrect
- C Statement I is true but Statement II is incorrect
- D Statement I is false but Statement II is correct

89. Given below are two statements:

Statement I: A business incubator typically takes an equity stake in the startups it supports.

Statement II: A business incubator provides early-stage companies with office space, mentorship, and resources in general to support them.

In light of the above statements, choose the correct answer from the options given below:

- A Both Statement I and Statement II are true
- B Both Statement I and Statement II are false
- C Statement I is true but Statement II is false
- D Statement I is false but Statement II is true

90. Match List I with List II:

	List I		List II
A.	Innovators	I.	These people are rarely leaders but they do adopt the new idea
B.	Laggards	II.	These are people who represent opinion leaders
C.	Early majority	III.	These people are bound by tradition and are very conservative
D.	Early adopters	IV.	These are people who want to be the first to try an innovation

Choose the correct answer from the options given below :

- A A-IV, B-III, C-II, D-I
- B A-I, B-II, C-III, D-IV
- C A-IV, B-III, C-I, D-II
- D A-IV, B-II, C-III, D-I



91. Given below are two statements: one is labelled as Assertion (A) and the other is labelled as Reason (R):

Assertion (A): 'Scaling a business' means expanding the company to serve more customers.

Reason(R): A small, specialised market segment is known as a niche market.

In light of the above statements, choose the correct answer from the options given below :

- A Both (A) and (R) are true, and (R) is the correct explanation of (A).
- B Both (A) and (R) are true, but (R) is not the correct explanation of (A).
- C (A) is true, but (R) is false.
- D (A) is false, but (R) is true.

92. Which of the following is the primary purpose of a 'pitch deck' ?

- A To design a product
- B To present the business idea to potential investors

- C To recruit employees
- D To manage daily operations

93. Read the following statements carefully and respond to the question that follows.

- A. In the given situation, a manufacturing plant may be an example of a business incubator.
- B. Fixed monthly income is an advantage of entrepreneurship.
- C. A shared workspace offering resources and support to new startups is known as a business incubator.
- D. Only youngsters may become entrepreneurs.
- E. Only an experienced middle-aged person may start a business.

Choose the correct answer from the options given below:

- A Only A, B and E are true.
- B Only A and C are false.
- C Only A, B and D are true.
- D Only B, D and E are false.



94. Given below are two statements

Statement I: Innovation, defined as the creation or adoption of new ideas, products, services, programs, technology, policy, structure, or administrative systems, is acknowledged as a source of sustained competitive advantage for many organisations.

Statement II: The innovation adoption process does not depend upon the 'initiation stage,' which includes recognition of a need, knowledge acquisition, initial attitude formation, and innovation selection.

In light of the above statements, choose the correct answer from the options given below:

- A Both Statement I and Statement II are true.
- B Both Statement I and Statement II are false.
- C Statement I is true but Statement II is false.
- D Statement I is false but Statement II is true.

95. Which four of the following are entrepreneurial strategies?

- A. Investing money for safe and secured return
- B. "Being fastest with the mostest"
- C. Reform, rather than revolutionise
- D. Finding and occupying a specialized "ecological niche"
- E. Validate and adapt your business model

Choose the correct answer from the options given below :

- A C, A, Band D only
- B A, B, D and E only
- C A, B, C and E only

D B, C, D and E only

96. Given below are two statements :

Statement I: Pivoting in a startup context refers to changing the business model or strategy in response to market feedback.

Statement II: Pivoting always involves changing the target market essentially.

In light of the above statements, choose the correct answer from the options given below:

- A Both Statement I and Statement II are true
- B Both Statement I and Statement II are false
- C Statement I is true but Statement II is false
- D Statement I is false but Statement II is true



97. Match List I with List II :

	List I		List II
A.	Scalability	I.	Early stage product having minimum basic features
B.	Value proposition	II.	Ability to grow
C.	Lean startup	III.	Experiments based concept started in the early 2000 in the Silicon Valley
D.	MVP (Minimum Viable Product)	IV.	Unique selling point (USP)

Choose the correct answer from the options given below :

- A A-II, B-I, C-IV, D-III
- B A-II , B-I, C-III, D-IV
- C A-II, B-III, C-I, D-IV
- D A-II, B-IV, C-III, D-I

98. The concept of a venture capitalist may be simplified as:

1. Your idea and your money
2. Your idea and my money
3. My idea and my money
4. My idea and your money
5. Your idea and public money

Choose the correct answer from the options given below:

- A 2 and 4 only
- B 2 only
- C 4 only

D 2, 4 and 5 only

99. Given below are two statements: one is labelled as Assertion (A) and the other is labelled as Reason (R):

Assertion (A): Business accelerators are set up with the primary objective to offer mentorship and resources to speed up the growth of startups.

Reason (R): Most of the startups face difficulties and challenges in their growth stage.

In light of the above statements, choose the most appropriate answer from the options given below:

- A Both (A) and (R) are true and (R) is the correct explanation of (A)
- B Both (A) and (R) are true but (R) is not the correct explanation of (A)
- C (A) is true but (R) is false
- D (A) is false but (R) is true



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100. Match List I with List II :

	List I		List II
A.	Serial Entrepreneur	I.	Earning Ratio
B.	Blue ocean strategy	II.	External ideas utilized
C.	Open innovation	III.	Creating uncontested market space
D.	Profit margin	IV.	Multiple ventures

Choose the correct answer from the options given below :

- A A-IV, B-III, C-II, D-I
- B A-III, B-IV, C-II, D-I
- C A-IV, B-I, C-II, D-III
- D A-I, B-III, C-II, D-IV

CMAT Percentile Predictor



Answers

Quantitative Techniques and Data Interpretation

1. B	2. B	3. D	4. A	5. A	6. B	7. D	8. D
9. A	10. D	11. A	12. A	13. D	14. C	15. D	16. D
17. C	18. B	19. D	20. A				

Logical Reasoning

21. C	22. C	23. D	24. D	25. D	26. D	27. C	28. B
29. B	30. A	31. D	32. D	33. D	34. D	35. C	36. D
37. C	38. D	39. C	40. C				

Language Comprehension

41. D	42. C	43. C	44. B	45. D	46. B	47. B	48. C
49. B	50. A	51. C	52. C	53. A	54. A	55. C	56. A
57. A	58. D	59. A	60. D				

General Awareness

61. C	62. B	63. C	64. B	65. B	66. B	67. C	68. C
69. C	70. B	71. A	72. C	73. D	74. D	75. B	76. B
77. D	78. B	79. C	80. D				

Innovation and Entrepreneurship

81. B	82. C	83. A	84. D	85. A	86. B	87. A	88. A
89. A	90. C	91. B	92. B	93. D	94. C	95. D	96. C
97. D	98. A	99. A	100. A				

Explanations

Quantitative Techniques and Data Interpretation

1. B

Number of multigrain packets sold by store C, D and E = 72, 54 and 84 respectively.

Number of whole wheat packets sold by store A and E = 44 and 72 respectively.

$$\text{So, number of multigrain packets sold by store F} = \frac{72 + 54 + 84}{3} = 70$$

$$\text{Number of whole wheat packets sold by store F} = \frac{44 + 72}{2} = \frac{116}{2} = 58$$

$$\text{So, total number of packets sold by store F} = 70 + 58 = 128$$

$$\text{Selling Price of each packet of store F} = ₹ 240 \times 1.2 = 288$$

$$\text{So, total revenue collected by store F} = ₹ 288 \times 128 = ₹ 36864$$

So, option B is the correct answer.

2. B

$$\text{Total number of packets sold by store C} = 80 + 72 = 152$$

$$\text{Total number of packets sold by store E} = 84 + 72 = 156$$

$$\text{Hence, percentage less} = \frac{152 - 156}{156} \times 100\% = -\frac{4}{156} \times 100\% = -2.56\%$$

Among the given options, option (B), 3% less is the closest.

So, option (B) is the correct answer.

3. D

$$\text{Multigrain packets sold by store A and B} = 92 + 64 = 156$$

$$\text{Whole-wheat packets sold by store C and D} = 80 + 40 = 120$$

$$\text{So, required percentage increase} = \frac{156 - 120}{120} \times 100\% = \frac{36}{120} \times 100\% = 30\% \text{ more.}$$

So, option (D) is the correct answer.

4. A

Each of the 4 people can have a birthday in any of the 12 calendar months. The total number of ways the birthdays can be distributed is $= 12 \times 12 \times 12 \times 12 = 12^4$

Now, for the birthdays to fall in exactly two calendar months, we must first choose which two months these will be. The number of ways of choosing $= {}^{12}C_2 = \frac{12 \times 11}{2} = 66$

For each person, their birthday can be in one of the two chosen months. This gives $2^4 = 16$ total possibilities.

However, this includes two cases where all four birthdays fall in just one of the two months (either all in the first chosen month or all in the second). We must subtract these two cases to ensure the birthdays fall in exactly two months.

$$\text{So, number of ways} = 2^4 - 2 = 16 - 2 = 14 \text{ possibilities.}$$

$$\text{Total number of favourable cases} = 66 \times 14$$

$$\text{So, required probability} = \frac{66 \times 14}{12 \times 12 \times 12 \times 12} = \frac{77}{1728}$$

So, option A is the correct answer.

6. B

For the ninth one to be the last defective, among the first 8 watches, first 3 has to be defective.

So, total number of ways of selecting = 8C_3

And total number of possible cases = ${}^{15}C_4$

(Out of the 15 watches, examined in order, any 4 can be defective)

$$\text{So, required probability} = \frac{{}^8C_3}{{}^{15}C_4} = \frac{\frac{8!}{3! \times 5!}}{\frac{15!}{4! \times 11!}} = \frac{8}{195}$$

So, correct answer is option B.



7. D

1.) First and second in Mathematics:

There are 30 students eligible for the first prize and 29 students remaining for the second prize.

So, total number of ways of distributing the prize = 30×29

2.) First and second in Physics:

There are 30 students eligible for the first prize and 29 students remaining for the second prize.

So, total number of ways of distributing the prize = 30×29

3.) First in Chemistry:

There are 30 students eligible for the first prize.

So, total number of ways of distributing the prize = 30

4.) First in English:

There are 30 students eligible for the first prize.

So, total number of ways of distributing the prize = 30

So, total number of ways of giving all the prizes = $(30 \times 29) \times (30 \times 29) \times 30 \times 30 = 30^4 \times 29^2$.

So, correct answer is option D.

8. D

Evaluating A:

$$\frac{5}{9} \times (225.4 - 45.4) = \frac{5}{9} \times 180 = 100 = (10)^2$$

So, A = 10

Evaluating B:

$$\begin{aligned} \sqrt{1024} \times 40 + (20)^2 + 0.5\% \text{ of } 9600 + 469 &= (?)^3 \\ = 32 \times 40 + 400 + \frac{0.5}{100} \times 9600 + 469 &= 32 \times 40 + 400 + 48 + 469 = 2197 = 13^3 \end{aligned}$$

So, B = 13

Evaluating C:

$$\frac{8^2}{16^2} \times 32^3 \times \sqrt{256} = \frac{1}{2^2} \times (2^5)^3 \times 2^4 = 2^{17}$$

So, C = 17

Evaluating D:

$$18\frac{1}{3} + 9\frac{2}{3} - 10\frac{1}{3} = 8 + 9\frac{2}{3} = 1\frac{2}{3} + 8 + 8 = 1\frac{2}{3} + 16$$

So, $D = 16$

So, the correct order of arrangement is $C > D > B > A$

9. **A**

After the 2-year course gets completed, ₹ 6 lakh loan will amount to: ₹ $6 \left(1 + \frac{8}{100}\right)^2$

Now, he has repayed half of the amount.

So, amount outstanding after completion of course = $\frac{6}{2} \left(1 + \frac{8}{100}\right)^2 = 3(1.08)^2 = 3.4992$ lakh

Now after another 2 years, when rate of interest will be 10% p.a., the amount will become =

$$3.4992 \left(1 + \frac{10}{100}\right)^2 = 3.4992 \times 1.1^2 = 4.234032 \text{ lakh}$$

So, amount returned by Ravi = ₹ $(3.4992 + 4.234032) = 7.733232$ lakh.

So, option A is the correct answer.

10. **D**

Let the efficiency of Bhushan be x units/hr.

So, efficiency of Amit be $1.5x$ units/hr.

Given, Bhushan alone can do a piece of work in 30 hours.

So, total work = $30x$ units

Given, Bhushan starts working and had already worked for 12 hours.

So, work done by Bhushan = $12x$ units

So, remaining work = $30x - 12x = 18x$ units

Now, this remaining work will be completed by both Amit and Bhushan.

$$\text{So, required number of hours} = \frac{18x}{x + 1.5x} = \frac{18x}{2.5x} = \frac{180}{25} = 7.2 \text{ hours.}$$

So, correct answer is option (D).

11. **A**

It is given, cylindrical box of radius 5 cm contains 10 solid spherical balls, each of radius 5 cm.

So, height of the cylinder = $10 \times 2r = 10 \times 2 \times 5 = 100$ cm.

So, volume of cylinder = $\pi r^2 h = \pi \times 5^2 \times 100 = 2500\pi \text{ cm}^3$

Now, volume of one sphere = $\frac{4}{3}\pi r^3 = \frac{4}{3} \times \pi \times 5^3 = \frac{500}{3}\pi \text{ cm}^3$

So, volume of 10 spheres = $\frac{500}{3} \times 10\pi = \frac{5000}{3}\pi \text{ cm}^3$

So, volume of empty space in the box = $2500\pi - \frac{5000}{3}\pi = \frac{2500}{3}\pi \text{ cm}^3$

So, the correct answer is option A.



12. **A**

Statement I: The ratio of the circumference of two circles is 3:4

So, ratio of their radius = 3:4

Now, ratio of their area will be equal to square of the ratio of their radius = $3^2 : 4^2 = 9 : 16$

So, statement I is true.

Statement II: The circumference and the area of a circle are numerically equal

$$\text{or, } 2\pi r = \pi r^2$$

$$\text{or, } r = 2 \text{ units}$$

$$\text{So, diameter} = 2r = 2 \times 2 = 4 \text{ units}$$

So, statement II is true.

So, both statement I and statement II are true.

So, correct answer is option A.

13. **D**

Given,

$$\text{A.) } 4a = 5b$$

$$\text{or, } \frac{a}{b} = \frac{5}{4} = \frac{45}{36}$$

$$7b = 9c$$

$$\text{or, } \frac{b}{c} = \frac{9}{7} = \frac{36}{28}$$

$$\text{So, } a : b : c = 45 : 36 : 28$$

So, option (II) is the correct answer for (A).

$$\text{B.) } A = \frac{1}{4}B \text{ and } B = \frac{1}{2}C$$

$$\text{or, } \frac{A}{B} = \frac{1}{4} \text{ and } \frac{B}{C} = \frac{1}{2} = \frac{4}{8}$$

$$\text{So, } A : B : C \text{ is equal to } 1 : 4 : 8$$

So, option (III) is the correct answer for (B).

$$\text{C.) } P : Q : R = 2 : 3 : 4$$

$$\text{So, } P : Q = 2 : 3, Q : R = 3 : 4, R : P = 4 : 2$$

$$\text{So, } \frac{P}{Q} : \frac{Q}{R} : \frac{R}{P} = \frac{2}{3} : \frac{3}{4} : \frac{4}{2} = 8 : 9 : 24$$

So, option (IV) is the correct answer for (C).

So, option (I) has to be the correct answer for (D).

So, option D is the correct answer.

16. **D**

$$\text{A: } \sqrt{401} - \sqrt{399} = \frac{2}{\sqrt{401} + \sqrt{399}}$$

$$\text{B: } \sqrt{301} - \sqrt{299} = \frac{2}{\sqrt{301} + \sqrt{299}}$$

$$\text{C: } \sqrt{101} - \sqrt{99} = \frac{2}{\sqrt{101} + \sqrt{99}}$$

$$\text{D: } \sqrt{201} - \sqrt{199} = \frac{2}{\sqrt{201} + \sqrt{199}}$$

$$\text{Now, } \sqrt{401} + \sqrt{399} > \sqrt{301} + \sqrt{299} > \sqrt{201} + \sqrt{199} > \sqrt{101} + \sqrt{99}$$

We are to find pairs of digits such that the distance between them is same in both the numbers.

On inspection we find only 4 such pairs, (9,4), (9,6), (6,4), and (4,2) exist.

Hence, the correct option is **FOUR**.

23. **D**

1. Wrist : Band \rightarrow A band is worn on the wrist.
2. Neck : Tie \rightarrow A tie is worn around the neck.
3. Waist : Belt \rightarrow A belt is worn around the waist.
4. Shoe : Laces \rightarrow Laces are used to fasten a shoe, not something worn on a part of the body.

\rightarrow Pairs 1, 2, 3 : An item worn on a specific body part.

Pair 4 : Laces are not directly worn on a body part.

Therefore, the odd one out would be the Option D.

24. **D**

In the figure we can analyse individually for each of the four quadrants of a circle..

Top right quadrant : Exterior circle has {2, 8}.

Interior circle has 216.

$$\rightarrow 216 = 6^3 = |8 - 2|^3$$

Similarly, for top left quadrant : $64 = 4^3 = |7 - 3|^3$

Similarly, for bottom left quadrant : $8 = 2^3 = |10 - 8|^3$

Therefore, we can deduce for bottom right quadrant's interior number has to be $= |5 - 2|^3 = 27$.

25. **D**

As cube is cut into 125 identical smaller cubes, we can say that size of larger cube is $5 \times 5 \times 5$.

The cubes which will be having exactly 2 faces painted will be the cubes which lie on edges but not corners of the cube because corner cubes will have 3 faces painted.

That is for every edge of the cube, out of " n " cubes there will be " $n - 2$ " cubes (excluding corners) which are painted on 2 faces exactly. So for the entire cube there are 12 edges, so total no of cubes with exactly 2 faces painted $= 12(n - 2)$.

Therefore, in this case as $n = 5$, the total no of cubes with exactly 2 faces painted white $= 12(5 - 2) = 36$.



26. **D**

Let us look at the options one by one and decide which venn diagram each would be best represented as.

(A) Flowers, White, Clothes.

Some Flowers are white, but not all Flowers are white. hence there will be intersection but not complete overlap. similarly, some clothes are white but all clothes are not white. Also no clothes are flower, and no flower is clothes, so there will be no overlap. Hence the correct representation will be diagram III.

(B) Furniture, Books, Table.

All table are furniture, but all furniture is not table. Also, books are not furniture. so it will be separate. Hence, diagram I is the correct representation.

(C) Carrot, Food , Vegetable

All carrots are vegetables , but all vegetables are not carrots. Also, all vegetables are food, but all food is not vegetables . Hence diagram IV is the correct representation .

(D) Pocket , Shirt , Collar.

Shirts have pockets and collars. The inverse is not true , also collars and pockets are not directly related, So the correct representation will be diagram II.

Based on this, **option (D)** A-III, B-I, C-IV, D-II is the correct answer choice .

 VIDEO SOLUTION

27. **C**

Assertion (A) : Seeds should be treated with fungicide solution before being sown :

It can be said that Assertion is true because treating seeds with fungicides protects them from fungal infections, which can otherwise damage the seeds or seedlings.

Reason (R): Seeds do not germinate, unless treated with fungicide solution :

It is a false statement because seeds can germinate without fungicide, but the risk of fungal attack is higher. Fungicide treatment is preventive, not mandatory for germination.

Therefore, Option C : Assertion is true & Reasoning is false.

29. **B**

Argument I is false, as it is a prejudice statement to say that renowned businessman do not commit crime intentionally . And it is also contradictory to approve the special treatment for renowned businessman as everybody is equal before the law.

Argument II is strong as it supports policy of equality before law.

32. **D**

Purnima : Lady is the mother of Neha whose father is my son :

Lady in the picture is mother of Neha.

Neha's father is said to be Purnima's Son.

Hence, Lady in the picture and Purnima's Son are couple .

Therefore, Purnima related to Lady as : **Mother-in-law**.

33. **D**

It is given that company has recently announced incentives to the employees who are punctual & sincere.

Assumption I holds true, as it can be said that upon announcing incentives, the employees who used to be frequently late to office gets motivated .

Assumption II is also true because upon announcing incentives to sincere employees, the rest of the employees might change their behaviour and be more sincere towards work, which might ultimately increase the productivity as well. And Assumption II said "may increase" , which can be termed as true statement.



34. **D**

We want teachers (elements that are part of the circle), but those who are not Doctors (part of the triangle), and not filmmakers (part of the rectangle).

2, 5, 7, and 3 are part of the circle, and hence are the teachers.

7 is a teacher and a doctor, and hence should not be considered.

3 is a teacher and a filmmaker, and would also be eliminated.

Leaving only 2 and 5 that satisfy our condition.

Therefore, Option D is the correct answer.

 VIDEO SOLUTION

35. **C**

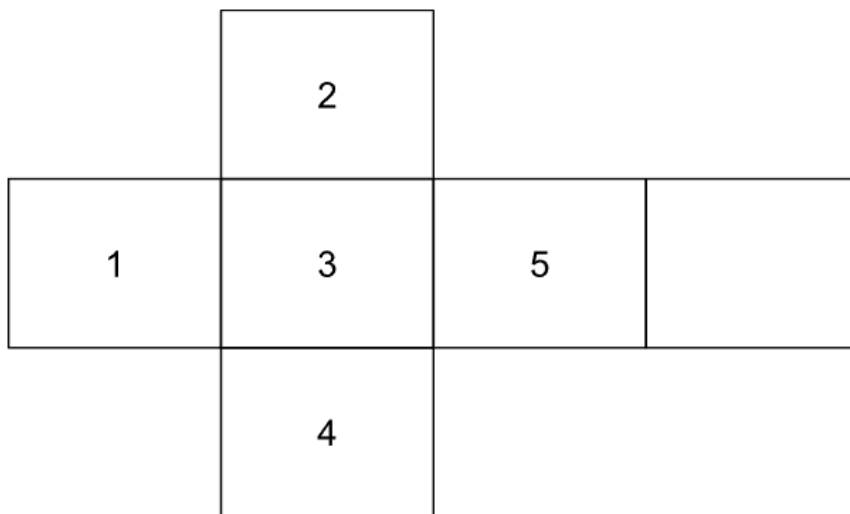
Human development progresses through a series of stages in the following order:

infancy → childhood → puberty → adolescence → adulthood.

Therefore, the order is {D, C, A, E, B}.

36. **D**

Opening up the dice with the given information we get the following figure.



The missing value must be 6.

On closing the dice, we would see that 2, 1 and 5 are adjacent to 3, leaving 6 to be the one opposite to 3.

Therefore, Option D is the correct answer.

 VIDEO SOLUTION

37. **C**

A clock is set right at 11 am. The clock gains 12 minutes in a day.

Clock gaining 12 mins a day implies it is gaining 0.5 minutes for every 1 hour.

→ Clock gains $\frac{0.5}{60}$ hours per every hour.

After 24 hrs, the time in the clock would be 11:12 am the next day. After this time, let's assume "t" hours it takes to show 5pm :

$$\rightarrow 11 : 12 + t + \frac{0.5(t)}{60} = 17 : 00$$

$$t \left(1 + \frac{1}{120} \right) = 5 \text{ hr } 48 \text{ min} = 5.8 \text{ hr}$$

$$\rightarrow t = \frac{5.8}{1 + 0.0083} = 5.752 \text{ hrs}$$

Therefore, the correct time should have been = 11:00 am + 5.752 hours = 16:45 hrs.

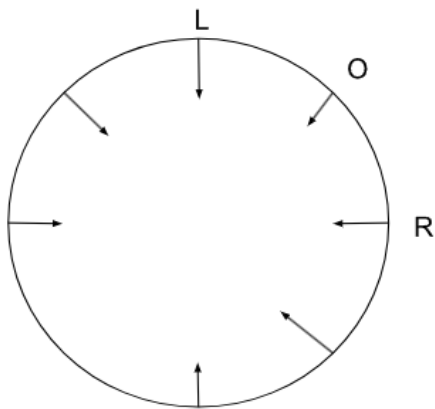
Hence, the answer is 45 mins past 4 pm .

38. **D**

{L, M, N, O, P, Q, R} are sitting around a circular table facing the centre of table.

"O" is sitting between L and R .

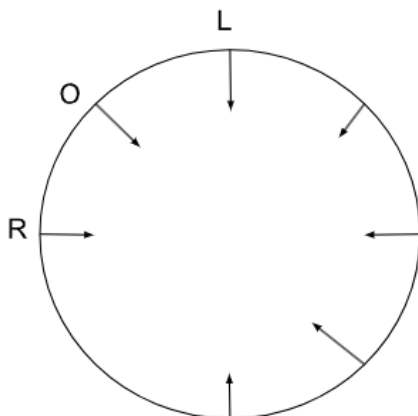
Case I :



But, now it is also given that Q is the second to the right of R. Hence, that won't be possible in this case because already L is second to the right of R.

Therefore, this case is eliminated.

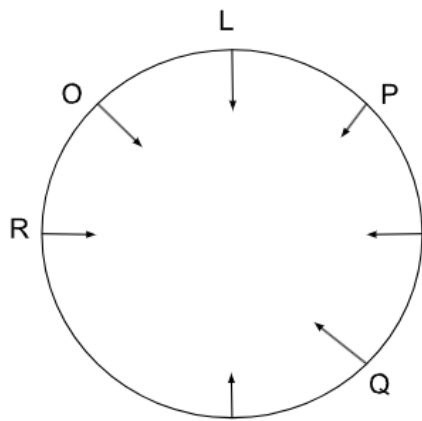
Case II :



Now it is given that Q is second to the right of R.

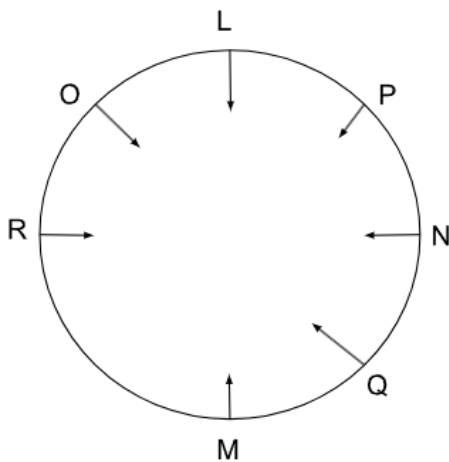
And P is second to the right of Q.

So, the further arrangement goes as :



Now it is also mentioned that "N is not an immediate neighbour of R". So the only possible position for N is in between P & Q.

Hence, the unoccupied place adjacent to R belongs to M.



Statement A : P sits to the opposite of N.

→ Its false statement because P is sitting adjacent to N.

Statement B : L sits exactly between O and P.

→ Its true statement as shown in final arrangement.

Statement C : M is third to the left of N.

→ Its false statement because M is second to the left of N.

Statement D : R is second to the right of L.

→ Its true statement as shown in final arrangement.

Therefore, the answer is B and D are correct.



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40. C

Anaemia : Blood → Anaemia is a disorder/condition of the blood.

Anarchy is situation of lack of order or government . It is a condition of the state or government.

Hence, correct analogy would be : Anaemia : Blood :: Anarchy : State/Government.

Therefore, among the given options Government is the appropriate answer.

Language Comprehension

41. **D**

Option D is the odd one out because it uses the present perfect continuous tense ("have been residing"), while the other sentences use the past perfect continuous tense ("had been...")

 VIDEO SOLUTION

42. **C**

Option C is the correct answer.

This uses proper indirect speech structure with correct tense agreement and verb usage. "Told" is followed by a person and a reported clause, and the past tense "was" matches the reporting verb.

The other options either misuse "said to," mix tenses incorrectly, or lack proper structure and punctuation. "Said to" requires a direct quote or needs to be rewritten with a reporting clause using "that".

 VIDEO SOLUTION

43. **C**

Option C is the correct answer.

In English, the preposition "to" is used with "known" when indicating that someone is recognized or familiar to a person or group. The correct construction is "is known to us," meaning Mr. Jackson is familiar or recognized by us.

Option A: 'By' is used with "known" in passive constructions to indicate the agent (e.g., "He is known by his friends for his kindness"). However, here, "us" is not the agent performing the knowing but the group to whom Mr. Jackson is familiar, so "by" is incorrect.

Option B: 'With' cannot be used with "known" in this context. "With" might indicate association or accompaniment (e.g., "He is popular with students"), but it doesn't fit the structure of "is known" for familiarity.

Option D: 'On' cannot be used with "known" in this context. "On" is typically used for topics or reliance (e.g., "known on the topic"), not for indicating familiarity to a group.

 VIDEO SOLUTION

44. **B**

The underlined phrase "in the soup" is an idiomatic expression meaning to be in a difficult or troublesome situation. In the sentence, the context of a raid suggests the officer faced problems or consequences.

Among the options:

Sleeping and collecting money do not convey a problematic situation.

Angry suggests an emotion, not necessarily trouble.

In trouble directly aligns with the meaning of being in a difficult or problematic situation implied by "in the soup." Therefore, Option B is the correct answer.

 VIDEO SOLUTION



45. **D**

Option D is the correct answer.

Option D uses the correct grammatical structures to form the sentence.

Option A: This is not correct because the verb "waiting" requires the preposition "for" when followed by an object like "you." The correct form would be *"I have been waiting for you for an hour."*

Option B and Option C: Both are incorrect because the article "a" should be "an" before a word starting with a vowel sound, like "hour". The correct form would be "I have been awaiting you for an hour."

VIDEO SOLUTION

46. **B**

To convert the active voice sentence into the passive voice, we need to change the object of the active sentence ("me") to the subject of the passive sentence ("I"). The verb "interest" should be changed into a passive form. Since the original verb is "does not interest" (present simple, negative), the passive form uses "am not interested" (present simple passive, negative).

The subject of the given sentence ("your story") becomes the agent in the passive sentence, typically introduced by a preposition. The verb "interest" in English, when used in the passive, is followed by the preposition "in" to indicate what causes the interest.

Thus, the correct passive form is: "I am not interested in your story." [Option B]

Option A: The preposition "by" is typically used in passive constructions to indicate the agent performing the action (e.g., "The book was written by the author"). Using "by" is incorrect here.

Option C: The preposition "at" cannot be used with the verb "interested" in this context. "At" might be used with other verbs (e.g., "look at"), but it is grammatically incorrect here.

Option D: The preposition "to" cannot be used with "interested" in this context. Additionally, if "to" were used as a preposition, it should be followed by a verb; Eg: *"interested to hear your story"*.

VIDEO SOLUTION

47. **B**

In the passage, "unwariness" means a lack of caution or carelessness by humans, potentially causing a global catastrophe. Among the options:

Heedfulness, Vigilance, and Alertness imply caution or awareness, which are opposites of "unwariness."

Dereliction means neglect or failure to fulfill duties, closely aligning with the careless inattention implied by "unwariness." Therefore, Option B is the correct answer.

VIDEO SOLUTION

48. **C**

In the passage, "drastically" means a significant or extreme change in human activities, contributing to environmental harm. Among the options:

Hastily, Abruptly, and Sharply imply quickness or intensity of change, which align with or do not oppose the significant nature of "drastically."

Fractionally means a slight or minimal change, closely aligning with the opposite of the extreme change implied by "drastically."

Thus, Option C is the near opposite in meaning.

49. B

Option B is the correct answer. It reflects the paragraph's central idea: over the past two centuries, human activities have significantly altered the atmosphere, contributing to global warming.

Option A is incorrect, as it contradicts the passage's main claim: while some may think warming is natural, scientists now believe human activity is the cause.

Option C has a subtle distortion. The paragraph warns that the unwariness of humans may lead to harm—not necessarily the activities themselves. This option shifts the emphasis away from the intended idea, which focuses on negligence or lack of caution, not direct causation by activity.

Option D: While industrial pollution is given as an example of harmful human activity, the passage does not say that pollution has drastically increased. It says human activities have changed drastically, which is a broader and more general statement.



50. A

Option A is the correct answer.

A. An embarrassing mistake → I. A Faux pas

A faux pas is a social blunder or mistake, especially one that is embarrassing.

B. Like a weak old woman → II. Anile

Anile means resembling a doddering old woman.

C. Song in praise of God → III. Hymn

A hymn is a religious song or poem of praise to God.

D. Murder of wife → IV. Uxoricide

Uxoricide means the act of killing one's wife.

51. C

If we observe the sentences, sentence D would be an introduction because it talks about Mirabai receiving an already established tradition. It sets the stage by hinting that something came before her.

[If we choose sentence C as an introduction, the phrase *"in the same tradition"* will lack context.]

Sentence A follows D in both options. Sentence A gives the origin story of the tradition Mirabai inherited.

Sentences A-B-C forms a block. After Jayadeva started the tradition, other poets built on his work. Sentence B talks about these "later poets" who followed Jayadeva's style, so it logically comes after A. It shows how the tradition grew. Sentence C, then talks about how this tradition is still alive today, making it the perfect conclusion.

If we observe the sentences, DABC also has a chronological flow from 13th century, then a later period and then to the present.

Therefore, DABC forms a coherent paragraph, making Option C the correct answer.

52. C

A simple sentence, by definition, is a sentence that contains one independent clause, meaning it has a single subject and a single predicate and expresses a complete thought. Hence, the reason (R) given that defines what a simple sentence is is incorrect.

The assertion(A) given is, however, true; The sentence: "Without saying a word, Ashraf ran away from home, in great haste," is an example of a simple sentence. The phrase "*Without saying a word*" is a **prepositional phrase** functioning as an **adverbial phrase**, not a clause, as it has no finite verb.

[A clause must have a subject and a finite verb. Here , "without saying a word" is a phrase because (i) there is no subject , and (ii) "saying" is a present participle, which does not show tense, making it non-finite. It functions as a **prepositional phrase**, where the **preposition** "without" governs a **non-finite (gerund) phrase** "saying a word."]

Hence,(A) is true, but (R) is false. The correct choice is Option C.

53. A

In the given set of sentences, only A and B are grammatically correct.

Sentence C has a tense mismatch. Here, "walk" is in the present tense, whereas "bought" is in the past tense.

Sentence D: "We" is a plural pronoun, which should be followed by "enjoy" and not "enjoys".

54. A

The phrase "*at his wits' end*" means being completely puzzled or not knowing what to do.

Among the given options, only option A is the exact opposite of this.

Option B is similar in meaning to the given phrase. Option C is unrelated. Option D mentions "confidently," which is not the opposite of being puzzled or confused.



55. C

I. Emphatic Pronoun: An emphatic pronoun is used to lay stress or emphasis on the subject of the sentence. It uses words like himself, yourself, themselves for emphasis. Sentence C has an emphatic pronoun → C. He himself said so. ("himself" is emphasizing he.)

II. Distributive Pronoun : A distributive pronoun refers to members of a group individually rather than collectively. Words like each, either, neither are distributive pronouns. Sentence D has a distributive pronoun → D. Each of the boys gets a prize. ("Each" treats the boys individually.)

III. Reflexive Pronoun: A reflexive pronoun is used when the subject and the object of the verb are the same person. Reflexive pronouns include myself, yourself, himself, etc. Sentence A has a reflexive pronoun → A. I hurt myself. ("Myself" refers back to the subject I.)

IV. Demonstrative Pronoun: A demonstrative pronoun is used to point to specific things. Examples include this, that, these, and those. Sentence B has a demonstrative pronoun → B. This book is mine.

Therefore, the correct answer is Option C) A-III , B-IV, C-I, D-II

56. **A**

Option A is the correct answer. Both Statement I and Statement II are true

Statement I is true. Attributive use means the adjective comes directly before the noun it describes.

Example: The red ball. (Here, "red" directly qualifies "ball.")

Statement II is also true. Predicative use happens when the adjective comes after a linking verb like "is, seems, looks," and describes the subject indirectly.

Example: The ball is red. ("red" describes "ball" through the linking verb "is.")

 VIDEO SOLUTION

57. **A**

If we observe the sentences,

C-B and A-D-E form a pair and a block of sentences, respectively.

Sentence C-B forms: "Blissfully unaware of the tragic events in Ayodhya,"

Sentence A-D-E forms: "Sita and Ram walk through the forest with great gaiety."

The pair C-B would be the introductory part. Starting with "Blissfully unaware of the tragic events in Ayodhya," (C, B) creates a dependent clause that sets the context, followed by the main clause "Sita and Ram walk through the forest with great gaiety" (A, D, E). The comma in sentence B separates the introductory clause from the main clause, providing grammatical flow.

If we check the other possibility, ADECB is also meaningful, but the placement of the comma in sentence B ("the tragic events in Ayodhya,") creates a problem. The trailing comma in B makes it less grammatically correct in this arrangement.

Therefore, Option a) C, B, A, D, E is the correct sequence.

 VIDEO SOLUTION

58. **D**

A complex sentence has a main clause that can stand alone and a subordinate (dependent) clause that cannot stand alone and is connected to the main clause, often introduced by subordinating conjunctions (e.g., "that," "whether," "why") or relative pronouns.

Option A: The clause "That Shankar is clever" is a noun clause acting as the subject of the sentence (dependent clause), and "is certain" is the main clause (independent). This is a complex sentence because it has a dependent noun clause and an independent clause.

Option B: This is a complex sentence. "I do not know" is the main clause (independent clause), and "whether the principal is in the office" is a noun clause (which is dependent) acting as the object of the verb "know."

Option C: This is a single clause with a compound predicate ("is not only kind but also devoted"). The phrase "*not only kind but also devoted*" is coordinated by the correlative conjunctions "not only...but also." This is not a complex sentence.

Option D: The main clause is "Can you tell me the reason," (independent) and "why Mukti never smiles" is a relative clause modifying "the reason." This is a complex sentence because it has an independent clause and a dependent relative clause.

Therefore, the sentences that are complex are A, B, and D.

 VIDEO SOLUTION

59. **A**

The speaker in the given excerpt is a first-person speaker.

The given excerpt uses pronouns like "I" and "me" which are characteristic of the first-person point of view. This indicates that the speaker is referring to themselves, narrating their own thoughts, actions, and beliefs.

Option B: Second person would use "you," addressing the reader or another person directly, which is not present here.

Option C: Third person would use "he," "she," "they," or names to describe someone else, which is also not present.

Option D: The consistent use of "I" makes the first-person perspective of the speaker clear. Therefore, this option is not correct.

 VIDEO SOLUTION



60. **D**

Option D is the correct answer.

Option A: This could be inferred from the excerpt. The speaker mentions "the enemy's movements" and "tactics," which are terms commonly associated with warfare. The reference to being saved from "the clutches of defeat" suggests involvement in battles or conflicts, typical of a warrior.

Option B: This is correct. The speaker expresses trust in "Jagdamba," a deity, stating that she "has always helped me" and affirming, "I will not lose my faith in her." These statements indicate a strong religious belief.

Option C: This is correct. The speaker says, "*I am trying to observe the enemy's movements but have not been able to understand their tactics.*" This indicates a failure to comprehend the enemy's plans or strategies.

Option D: This statement is incorrect, as the speaker affirms their unwavering faith in *Jagdamba*, contradicting the claim that their faith has wavered.

 VIDEO SOLUTION

General Awareness

61. **C**

A. Finance Commission is a constitutional body, constituted by the President under Article 280 of the Constitution. This is CORRECT. It is a constitutional body established under Article 280 of the Indian Constitution. The President of India is mandated to constitute a Finance Commission every five years or at such earlier time as he considers necessary.

B. The First Finance Commission was constituted under the chairmanship of K.C. Niyogi. This is CORRECT. It was formed in 1951, and its chairman was K.C. Niyogi. This commission set the precedent for the transfer of resources from the Union to the States.

C. The 15th Finance Commission for the period 2020-25 was constituted with N.K. Singh as chairman. This is CORRECT. It was formed in 2017 to make recommendations for the period 2020-2021 and subsequently in 2021-2026, with N.K. Singh as chairman.

D. The R Chelliah Committee was constituted in 1994 to suggest reforms in the banking system. This is NOT CORRECT. It was formed in 1991 to suggest reforms in India's tax structure (direct and indirect taxes), not the banking system.

62. **B**

A. The Earth is 22.5° tilted on its axis. This is NOT CORRECT. The Earth's axis is actually tilted at approximately 23.5° , which is responsible for the occurrence of seasons on Earth.

B. It takes 23 hours, 56 minutes and 4.091 seconds to rotate on its axis. This is CORRECT. This period of 23 hours, 56 minutes, and 4.091 seconds is the exact time it takes for the Earth to complete one full rotation on its axis relative to distant stars.

C. It takes 365 days, 5 hours and 48 minutes to revolve around the sun. This is CORRECT. This duration of 365 days, 5 hours, and 48 minutes is the time the Earth takes to complete one revolution around the Sun. This extra time is accounted for by adding an extra day every four years, creating a leap year.

D. The Earth is also known as the Blue Planet. This is CORRECT. The Earth is commonly referred to as the Blue Planet because approximately 71% of its surface is covered by water. From space, the abundance of oceans gives the planet a predominantly blue appearance.

 VIDEO SOLUTION

63. **C**

The Imperial I and II, a twin-tower residential skyscraper complex, is located in Mumbai, Maharashtra. The buildings are situated in the Tardeo area of South Mumbai and were, for a period, considered the tallest completed buildings in India upon their completion in 2010.

 VIDEO SOLUTION

64. **B**

The Indian parliament passed the Citizenship (Amendment) Bill on December 11, 2019. This bill, which amended the Citizenship Act of 1955, was later enacted as the Citizenship (Amendment) Act, 2019, and was officially notified on January 10, 2020.

 VIDEO SOLUTION



65. **B**

The Crown Representative's Police is the old name for the Central Reserve Police Force (CRPF). It was established on July 27, 1939, under its original name and was renamed the Central Reserve Police Force after the CRPF Act was passed in 1949.

 VIDEO SOLUTION

66. **B**

The Pulitzer Prizes are 23 annual awards given by Columbia University in New York City for achievements in the US in "journalism, arts and letters". It is established by the will of Joseph Pulitzer, who made his fortune as newspaper publisher.

These prizes are awarded in multiple categories including literature, music & public service as well including journalism.

So technically, all options are fields in which the Pulitzer Prize is awarded, but if the question expects the most common association, the answer is Journalism, because Pulitzer will was to launch a journalism school.

67. **C**

A. Chief Election Commissioner -> (IV) Rajiv Kumar

Rajiv Kumar is the current Chief Election Commissioner of India, a post central to conducting free and fair elections. He heads the Election Commission of India, which is responsible for administering the electoral process.

B. Chief Justice of India -> (I) Sanjeev Khanna

Sanjeev Khanna is the current Chief Justice of India (CJI), being the head of the judiciary and the Supreme Court of India. The CJI is the highest judicial authority in the country.

C. RBI Governor -> (III) Sanjay Malhotra

Sanjay Malhotra is the current Governor of the Reserve Bank of India (RBI), having taken charge on December 11, 2024. Before this appointment, he was serving as the Revenue Secretary of India.

D. Chairman of Upper House -> (II) Jagdeep Dhankhar

The Chairman of the Upper House (Rajya Sabha) is, by convention, the Vice President of India, currently Jagdeep Dhankhar. He presides over the proceedings of the Rajya Sabha, maintaining order and decorum at all times.

68. C

A. Speedy increase in the field of milk production is called white revolution. This is CORRECT. The White Revolution is the name given to the spectacular and rapid rise in India's milk production, which successfully transformed the country into the world's largest milk producer. It is a key agricultural achievement following the Green Revolution.

B. To increase the pace of the white revolution, Operation Flood was started. This is CORRECT. Operation Flood was the specific program launched in 1970 by the NDDB to drive the White Revolution. It aimed to establish a nationwide milk grid and empower farmers through cooperative societies.

C. The father of Operation Flood was Dr Verghese Kurien. This is CORRECT. Dr Verghese Kurien is recognised as the "Father of the White Revolution" and the chief architect of Operation Flood. He developed the highly successful Anand Pattern co-operative model, famously used by Amul.

D. The Operation Flood was started by the National Dairy Research Institute in 1975. This is NOT CORRECT, because Operation Flood was launched in 1970 (not 1975) and was started by the National Dairy Development Board (NDDB), not the National Dairy Research Institute (NDRI).

Thus, (A), (B), and (C) are the CORRECT statements.

69. C

(A) Abhinav Bharat -> (IV) V.D. Savarkar

This was a secret revolutionary society established by Vinayak Damodar Savarkar in 1904 to fight for India's independence through armed struggle and political mobilisation.

(B) Gadar Party -> (III) Lala Hardyal

The Gadar Party was a revolutionary international organisation founded primarily by Lala Hardyal in 1913 in the United States to overthrow British rule in India.

(C) Indian National Congress -> (II) Allan Octavian Hume

The INC, India's oldest political party, was founded in 1885 by A.O. Hume, a retired British civil servant, to create a platform for political dialogue.

(D) Bharat Naujawan Sabha -> (I) Bhagat Singh

This radical youth organisation was founded by Bhagat Singh in 1926 to mobilise the youth for revolutionary activities and the establishment of an independent republic.



70. B

The Maharashtra Legislative Assembly has 288 seats, with a majority mark of 145 .

1. In the 2024 elections, BJP alone won 132 seats, which is less than the majority.

2. The Maha Yuti alliance (BJP - 132 + Shiv Sena - 57 + NCP - 41) won a total of 230 seats, forming the government.

Assertion : There is a coalition government in the State of Maharashtra in India.

→ Assertion is true as government is formed by Maha Yuti Alliance.

Reason : The Reason that no single party could secure a majority is also true because BJP alone did not get a majority.

→ (R) is also true.

But R is not the correct explanation for A, because :

1. The coalition (Maha Yuti) was formed as a pre-poll alliance.
2. The coalition government exists because parties decided to contest and govern together, not because BJP failed to get a majority.

Therefore, the most appropriate answer is : Both (A) and (R) are true but (R) is not the correct explanation of (A).

Hence, Option B is the answer.

71. **A**

A. Vishwa Bharati was founded by Rabindranath Tagore

Correct. Rabindranath Tagore founded Visva-Bharati University in 1921 at Santiniketan, West Bengal, as a center for blending Indian and Western educational traditions.

B.

C. The Golden Temple was founded by Guru Gobind Singh. This is NOT CORRECT. It was established by Guru Ram Das in 1577, the fourth Sikh Guru, and later completed by Guru Arjan Dev.

D. Khalsa Panth was founded by Guru Arjan Dev. This is NOT CORRECT. The Khalsa Panth was founded by Guru Gobind Singh in 1699 to establish a community of disciplined and saint-soldier Sikhs.

72. **C**

A. Bharatanatyam is a famous Tamil Nadu dance. This is CORRECT. Bharatanatyam is recognised as one of India's oldest and most important classical dance forms, deeply rooted in the traditions and temples of Tamil Nadu.

B. Rukmini Devi is a famous Bharatanatyam artist. This is CORRECT. Rukmini Devi Arundale was a pivotal figure in the 20th century who championed the revival and purification of Bharatanatyam, transforming it into a widely respected classical stage art.

C. Kathakali is a famous dance of Andhra Pradesh. This is NOT CORRECT. Kathakali is the elaborate classical dance-drama form that originated in the state of Kerala. The correct classical dance of Andhra Pradesh is Kuchipudi.

D. Birju Maharaj is associated with Kathakali as an artist. This is NOT CORRECT. Pandit Birju Maharaj was a globally celebrated master and leading exponent of the North Indian classical dance form, Kathak. He was not associated with Kathakali, which is a dance from Kerala.

E. The theme of Mohiniyattam dance is love and devotion to God. This is CORRECT. Mohiniyattam, the graceful classical dance of Kerala, focuses on the *Lasya* (feminine) style, with its core thematic elements being Sringara (love) and Bhakti (devotion).

Thus, (A), (B), and (E) are CORRECT.

 VIDEO SOLUTION

73. **D**

A. Committee on the functions of the Constituent Assembly -> (II) G.V. Mavalankar

G.V. Mavalankar was the Chairman of this committee, which dealt with the legislative functions of the Constituent Assembly once the constitution-making work was finished.

B. House Committee -> (I) Pattabhi Sitaramayya

Pattabhi Sitaramayya chaired the House Committee, which was responsible for matters related to staff and accommodation for the Constituent Assembly delegates.

C. Committee on the rules of procedure -> (IV) Dr Rajendra Prasad

Dr Rajendra Prasad, who was also the President of the Assembly, chaired this committee, which formulated the procedural rules for the Assembly's functioning.

D. Drafting Committee -> (III) Dr B.R. Ambedkar

The Drafting Committee was the most critical committee, tasked with preparing the final draft of the Constitution of India, with Dr B.R. Ambedkar serving as its Chairman.

74. D

The famous "I Have a Dream" speech is associated with civil rights activist Martin Luther King Jr., who delivered it on August 28, 1963, during the March on Washington for Jobs and Freedom. The speech is famous for calling for an end to racism and for civil and economic rights for African Americans.

 VIDEO SOLUTION



CMAT Syllabus PDF



75. B

A. Canara Bank - Mumbai. This is NOT CORRECT. Canara Bank, one of the largest public sector banks in India, is headquartered in Bengaluru (Bangalore), Karnataka.

B. Federal Bank - Kochi. This is CORRECT. Federal Bank is a central Indian private-sector commercial bank whose headquarters are in Aluva, in the Kochi metropolitan area of Kerala.

C. IndusInd Bank - Mumbai. This is CORRECT. IndusInd Bank, a private sector bank, maintains its corporate and registered headquarters in Mumbai, Maharashtra, the financial capital of India.

D. Punjab and Sind Bank - Chandigarh. This is NOT CORRECT. Punjab and Sind Bank, a government-owned bank, is headquartered in New Delhi, not Chandigarh.

E. Punjab National Bank - New Delhi. This is CORRECT. Punjab National Bank (PNB) is a large public sector bank with its corporate headquarters in New Delhi.

Thus, (B), (C), and (E) are CORRECT.

 VIDEO SOLUTION

76. B

The founder of the Bhoodan movement was Vinoba Bhave, a disciple of Mahatma Gandhi. He started the non-violent, voluntary land reform movement in April 1951 in the village of Pochampally, Telangana, by persuading wealthy landowners to donate land to the landless.

 VIDEO SOLUTION

77. D

A. Volleyball -> (III) Hook Serve

The Hook serve (or 'Roundhouse serve') is a serving technique specific to volleyball, where the player swings their arm sideways over their head to impart spin. The goal is to make the serve difficult for the opposing team to return.

B. Table Tennis -> (II) Service court

The Service court is a crucial element in Table Tennis, used to dictate the direction of the serve in doubles play. A legal serve must land first on the server's half of the table, then diagonally on the receiver's court.

C. Basketball -> (I) Ring

The Ring (or basket/hoop) is the primary target in basketball, where points are scored by shooting the ball through the elevated metal rim. The entire assembly, including the net, is often referred to as the basket.

D. Badminton -> (IV) Half court

The half-court refers to the diagonal boundaries of the service area in Badminton. It is critical for determining a legal serve in singles play and the first serve in a doubles game.

78. **B**

The first Chief Election Commissioner of India was Sukumar Sen, who served from March 21, 1950, to December 19, 1958. During his tenure, he oversaw India's first two general elections in 1951-52 and 1957.

 VIDEO SOLUTION

79. **C**

A. Gol Gumbaz -> (II) Bijapur

The Gol Gumbaz is the tomb of Muhammad Adil Shah and is known for having the world's second-largest unsupported dome. It is located in Bijapur (now Vijayapura), Karnataka.

B. Nishat Bagh -> (III) Srinagar

Nishat Bagh, which translates to 'Garden of Joy', is a famous Mughal garden situated on the eastern side of Dal Lake in Srinagar, Jammu and Kashmir. It is the second-largest Mughal garden in the region.

C. Golden Temple -> (I) Amritsar

The Golden Temple, formally known as Sri Harmandir Sahib, is the holiest shrine of Sikhism. It is located in the city of Amritsar, Punjab.

D. Anand Bhawan -> (IV) Allahabad

The Anand Bhawan is a historic house museum in Allahabad (now Prayagraj), Uttar Pradesh. It was the ancestral home of the Nehru family and is now a museum.

 VIDEO SOLUTION

CMAT Percentile Predictor



80. **D**

The inaugural post office in India was established by the British East India Company in Kolkata (then Calcutta) in 1727, though it was initially restricted to official correspondence. The General Post Office (GPO), which began serving the general public, was opened in Kolkata a few years later, in 1774.

 VIDEO SOLUTION

Innovation and Entrepreneurship

81. **B**

A patent is a type of intellectual property that gives its owner the legal right to exclude others from making, using, or selling an invention for a limited period in exchange for publishing an enabling disclosure of the invention. Bootstrapping is where entrepreneurs start companies with minimal capital, using personal finances or operating revenues instead of external investments. Crowdfunding is funding a project or venture by raising money from many people, typically via the internet. In business, pivoting is a term that describes the process of changing direction when the current strategy is not delivering the desired results.

Based on the summary provided above, the most suitable sequence of pairs is provided in option B.

82. **C**

The primary reason a startup is pitched to investors is to raise funding from them and secure further growth. Sentence A captures this and is correct. Sentence B is also correct; both innovation and adaptability are characteristics of an entrepreneurial mindset. Sentence C is incorrect; a non-profit organisation does not qualify

as a startup. Sentence D states a fact: Neeti Aayog was indeed known as the Planning Commission. Sentence E also states a fact: Dr Manmohan Singh was a Governor of the RBI and had passed away recently.

Sentences A, B, D, and E are true, and option C is the correct answer.

83. A

Ideation refers to the process of developing and conveying prescriptive ideas to others, typically in a business setting. It describes the sequence of thoughts, from the original concept to implementation. Pivoting is the action that a business or a startup takes to find a new footing in a changing business landscape, and it cannot be a process a startup goes through in its initial days. Scaling is essentially growing your revenue without significantly affecting costs. This cannot be a process that takes place during the early days of a startup. Bootstrapping is where entrepreneurs start companies with minimal capital, using personal finances or operating revenues instead of external investments. Still, since this might not apply to all startups, the best answer is option A, ideation.

84. D

Option A presents a fact. Dr Manmohan Singh served as the Finance Minister in the Union Government from 1991 to 1996. Option B also presents a fact. Dr Manmohan Singh served as the Governor of the Reserve Bank of India from 1982 to 1985. He also became the UGC chairman in 1991. Therefore, option C is also true. Dr. Manmohan Singh became Prime Minister as a member of the Rajya Sabha (the upper house), not the Lok Sabha (the lower house). He was elected to the Lok Sabha in 1999 but lost that election, while he was elected to the Rajya Sabha multiple times and served there when he became Prime Minister in 2004. Option D is the only false statement, and it is the correct answer.



85. A

A feasibility study includes an assessment of market, technical, financial, operational, and legal factors to determine a project's viability. Key components include market analysis, technical evaluation, cost-benefit analysis, and risk assessment, which provide a comprehensive report on the project's potential success. A, C, D, and E directly follow from this. B presents corporate leadership analysis, which is primarily irrelevant.

The correct answer is option A: A, C, D, and E only.

90. C

An innovator is a person who develops a new design, product, or idea, or who has new ideas about how to do something. A laggard is someone who takes more time than necessary or someone who lags behind. The early majority is the first sizable segment of a population to adopt a new or innovative technology. In contrast, the early adopters are persons or businesses that acquire a new product or technology before others.

Based on the summary provided above, the most suitable pairs are provided in option C, which is the correct answer.

91. B

Scaling a business means increasing revenue significantly faster than costs. This is achieved through developing sustainable processes and systems that handle more demand efficiently. Assertion (A) is true in that it accurately defines 'scaling a business'.

A niche market is a small, specialised market for a particular product or service. The reason (R) is also true as it captures the meaning of a niche market. But (R) fails to explain (A). The existence of niche markets does not account for why scaling a business necessarily means business expansion. The correct answer is option B, while both the assertion (A) and the reason (B) are valid statements, (R) is not a correct explanation of (A).

92. B

A pitch deck is a concise presentation that businesses and startups use to give a high-level overview of their company to potential investors, partners, or clients. This is best captured in option B, which is the correct answer.

93. D

In a given situation, a manufacturing plant might indeed host a business incubator. Statement A's validity can be held for a while. Statement B is false; entrepreneurship is for people willing to take risks and accept that incomes may not be stable. Statement C is true; the very definition of a business incubator describes it as a workspace that offers resources and support to new startups. Statement D is false; whether or not a person can be an entrepreneur is independent of their age, caste, gender, or social stature. Option E, following the same reasoning as D, is also false.

The statement C is true, while the statement A might be true. Statements B, D, and E are all false. Option D is the correct answer.



94. **C**

Statement I can be said to be true: Innovation is about finding creative solutions to commonplace problems or problems that traditional solutions solve only inefficiently. Innovation is indeed the creation or adoption of new ideas, products, services, programs, technology, policy, structure, or administrative systems.

Statement II is false: Adopting innovation is not a blind endeavour in business settings; it requires thorough analysis of requirements and feasibility.

The correct answer, therefore, should be option C. Statement I is true, but statement II is false.

95. **D**

One of the essential characteristics of an entrepreneur is an acceptance of risk and a willingness to take risks in the capital landscape. (A) is wrong as it goes against the risk-taking mindset. All other characteristics provided in the question are, in one way or another, essential aspects of being an entrepreneur. Since B, C, D, and E follow, the correct answer is option D.

96. **C**

In business, pivoting is a strategic change in a company's direction, product, or business model in response to market conditions, customer needs, or other external factors. Statement I describes pivoting correctly and is true. Statement II describes a mechanism by which a business actualises pivoting, saying that it is 'essential' that a business change the target market while pivoting, which is wrong. While changing the target market can be one of the things that an organisation does while pivoting, it need not be essential or compulsory. Statement II is wrong. The correct answer is option C.

97. **D**

Scalability is the ability of an organisation or a company to handle a growing amount of work or demand without sacrificing performance, quality, or efficiency. A value proposition is a clear statement that explains the specific measurable benefits a customer receives from a company's product or service. Lean startup is a methodology for developing businesses and products that aims to shorten product development cycles and rapidly discover if a proposed business model is viable. A minimum viable product (MVP) is the most basic version of a product that a company can release to early customers to gather feedback and validate its core idea.

Based on the summary provided above, the most suitable list of pairs is provided in option D, which is the correct answer.

98. **A**

A venture capitalist (VC) (can be me or you) can be described as an investor who provides capital to early-stage, high-growth potential companies (can be you or me, but not me myself or you yourself) in exchange for equity or ownership. Both 2 (your idea and my money) and 4 (my idea and your money) directly follow, and option A is the correct answer.



99. **A**

The assertion (A) provides us with the fact that business accelerators are set up with the primary objective of offering mentorship and resources to speed up the growth of startups. The fact that business accelerators are making investments in the growth of startups hints towards two things being the reasons why the planners would have gone ahead with the accelerators:

1. They believe that the startups need help.
2. They are hopeful that these startups might succeed.

The reason (R) is a reasonable explanation for the two points listed above. It explains that the startups need help because they face difficulties and challenges in their growth stage. It also explains that planners can probabilistically hope for success because 'most' startups face such challenges.

Therefore, reason (R) is the correct explanation for assertion (A) and option A is the correct answer.

100. **A**

A serial entrepreneur is an entrepreneur who invests their time, money, risks, and efforts into multiple ventures. Blue ocean strategy is a business approach in entrepreneurship that focuses on creating new market spaces and demand rather than competing in existing, saturated markets. Open innovation is a business strategy that uses both internal and external ideas, technologies, and resources to accelerate innovation. Unlike the traditional "closed" model, which relies solely on in-house R&D, open innovation involves collaborating with external partners, such as startups, universities, and even customers, to access a broader pool of knowledge and expertise. A profit margin is a financial ratio that measures the percentage of profit a company earns relative to its revenue.

Based on the summary of the meanings discussed above, the most suitable pair matching is provided in Option A, which is the correct answer.