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CMAT 2024

Previous Year Question Paper · Slot 2

100 Questions · Quantitative Techniques & DI · Logical Reasoning · Language Comprehension · General Awareness · Innovation & Entrepreneurship

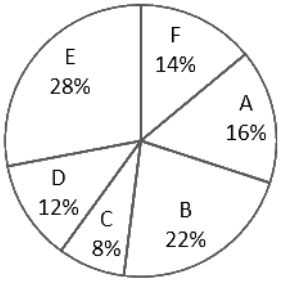
Prepared by Thinkoraa for practice. Answer key and step-by-step solutions are at the end of this booklet.

Quantitative Techniques and Data Interpretation

Questions 1 – 3

Study the pie chart and table and answer the questions

Store	Respective ratio of number of linen kurtis to cotton kurtis sold
A	7 : 5
B	5 : 6
C	3 : 2
D	5 : 3
E	4 : 3
F	7 : 3



Distribution of total no. of Kurtis (cotton and linen) sold by six different stores in 2016, where total kurtis sold are 84,000.

1 Number of kurtis (linen and cotton) sold by store D is what percent more than the number of linen kurtis sold by store B?

A 16%
B 20%
C 24%
D 18%

2 What is the difference between average number of linen kurtis sold by stores D and E together and average number of cotton kurtis sold by the same stores together?

A 2920
B 2880
C 2940
D 3060

3 What is the respective ratio between number of kurtis (linen and cotton) sold by store C and number of linen kurtis sold by store F?

A 30 : 41
B 40 : 49
C 22 : 31
D 20 : 29

4 The graphs of ax + by = c, dx+ey = f will be, (A) Parallel if the system has no solution.
(B) Coincident if the system has finite number of solutions.
(C) Intersecting if the system has two solutions (D) Intersecting if the system has only one solution
Choose the correct answer from the options given below :

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

5 A container is filled with liquid, 6 part of which are water and 10 part milk. How much of the mixture must be drawn off and replaced with water, so that the mixture may be half water and half milk?

A $\frac{1}{3}$
B $\frac{1}{7}$
C $\frac{1}{5}$
D $\frac{1}{8}$

6 There are two numbers which are greater than 21 and their LCM and HCF are 3003 and 21 respectively. What is the sum of these numbers?

A 504
B 508
C 514
D 528

7 Match List I with List II :

List I (Regular Price and Sale Price)		List II (Discount)	
A.	Regular Price : ₹ 65 Sale Price : ₹ 55	I.	13.33%
B.	Regular Price : ₹ 60 Sale Price : ₹ 50	II.	15.38%
C.	Regular Price : ₹ 70 Sale Price : ₹ 50	III.	16.66%
D.	Regular Price : ₹ 75 Sale Price : ₹ 65	IV.	14.29%

Choose the correct answer from the options given below :

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

8 In terms of percentage profit, arrange the following transactions in decreasing order.
(A) Cost price : ₹36, Profit: ₹17 (B) Cost price : ₹50, Profit : ₹24 (C) Cost price : ₹40, Profit : ₹19
(D) Cost price : ₹60, Profit : ₹29
Choose the correct answer from the options given below:

A D > C > B > A
B D > B > C > A
C B > D > C > A
D B > C > A > D

9 A Glass Jar contains 1 Red, 3 Green, 2 Blue and 4 Yellow marbles. If a single marble is chosen then Match List I with List II :

List I		List II	
A.	Probability of yellow marble	I.	$\frac{3}{10}$
B.	Probability of green marble	II.	$\frac{7}{10}$
C.	Probability of either green or yellow marble	III.	$\frac{1}{2}$
D.	Probability of either red or yellow	IV.	$\frac{4}{10}$

Choose the correct answer from the options given below:

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

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

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

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

10 Ice-cream, completely filled in a cylinder of diameter 35 cm and height 32 cm, is to be served by completely filling identical disposable cones of diameter 4 cm and height 7 cm. The maximum number of cones that can be used in this way is

A 950

B 1000

C 1050

D 1100

11 3 men and 18 women together take 2 days to complete a piece of work. How many days will 9 women alone take to complete the piece of work; if 6 men alone can complete the piece of work in 3 days?

A 5

B 6

C 7

D 9

12 Given below are two statements :
Statement I: If two chords XY and ZT of a circle intersects internally at point P, then PX - PY = PZ - PT Statement II: If two chords XY and ZT of a circle intersect internally at point P, then PXZ and PTY are similar triangles.
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 If a% of a + b% of b = 2% of ab, then what percent of a is b?

A 25%

B 50%

C 75%

D 100%

14 Given below are two statements :
Statement I: The perimeter of a triangle is greater than the sum of its three medians.
Statement II: In any triangle ABC, if D is any point on BC, then AB + BC + CA > 2 AD.
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

15 A player can take a maximum of 4 chances to hit a bottle with a flying disc. The probability of hitting the bottle at the first, second, third and fourth shots are 0.1, 0.2, 0.35 and 0.45 respectively. What is the probability that the player hits the bottle with the flying disc?

A 0.6573
B 0.2574
C 0.7426
D 0.3427

16 A vessel of 160 L is filled with milk and water. 70% of milk and 30% of water is taken out of the vessel. It is found out that the vessel is vacated by 55%, then the quantity of milk and water in the original mixture is

A Milk = 100 L; Water = 60 L
B Milk = 60 L; Water = 100 L
C Milk = 90 L; Water = 70 L
D Milk = 70 L; Water = 90 L

17 There are 10 stations on a railway line. The number of different journey tickets that are require by the authorities , is

A 92
B 90
C 91
D 93

18 Which two figures will have same area?
(A) Circle with diameter of 14 cm.
(B) Rectangle with length 12 cm and breadth 10 cm.
(C) Rectangle with length 14 cm and breadth 11 cm.
(D) Square with side 12 cm.
π =
22
Choose the correct answer from the options given below. Assume that
7

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

19 Arrange the following surds in increasing order :
(A) $\sqrt[3]{2}$ (B) $\sqrt{3}$ (C) $\sqrt[4]{5}$ (D) $\sqrt[6]{7}$
Choose the correct answer from the options given below :

A A < B < C < D
B D < A < C < B
C D < B < C < A
D A < D < C < B

20 Mr. Seth inherits 2505 gold coins and divides them among his three sons : Brij, Purab and Mohan in a certain ratio. Out of the total coins received by each of them, Brij sells 30 coins, Purab donates his 30 coins and Mohan loses 25 coins. Now, the ratio of gold coins with them is 46 : 41 : 34 respectively. How many coins did Purab receive from his father?

A 705

B 950

C 800

D 850

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Logical Reasoning

21 Find the next term in the series
XRF, UTI, RVM, _____.

A OWP
B OXR
C QXR
D OXP

22 'Fire' is related to 'Ashes' in the same way as 'Explosion' is related to :

A Sound
B Debris
C Explosive
D Flames

23 A clock is set right at 10 am. The clock gains 10 minutes in a day. What will be the true time when the watch indicates 3 pm the next day?

A 12 minutes past 2 pm
B 45 minutes past 2 pm
C 32 minutes past 2 pm
D 48 minutes past 2 pm

24 A and B are twins. B's sister is C. D is the husband of C. A's mother is E. E is wife of F. How is F related to D?

A Uncle
B Brother in law
C Father in law
D Son in law

25 Consider the statement and the following assumptions and decide which of the assumptions is implicit in the statement.
Statement:
The entire north India, including Delhi remained 'power less' the whole day of
19th
December as the northern grid supplying electricity to seven states collapsed yet again.
Assumptions :
I. The northern grid had collapsed earlier.
II. The grid system of providing electricity to a group of states is an ineffective type of power supply system.

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

26 Given below are two statements : One is labelled as Assertion (A) and the other is labelled as Reason (R). Assertion (A): Tides indicate the regular and periodic rise and fall in the sea level.
Reasons (R) : Tides are caused by the gravitational pull of the moon and sea level.
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

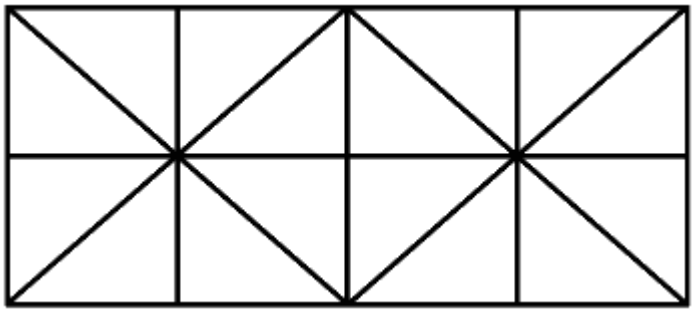
27 The following question consists of a statement and argument I and II. Choose the best option.
Statement : Should judiciary be independent of the executive.
Arguments: I. Yes, This would help curb the unlawful activities of the executive.
II. No, the executive would not be able to take bold measures.

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

28 A, B, C, D, E, F, G, H and J are sitting around a circle facing the centre. C is third to the left of A. E is fourth to the right of A. D is fourth to the left of J, who is second to the right of A. F is third to the right of B. G is not an immediate neighbour of A. What is the H's position with respect to E?

A Third to the left
B Fourth to the left
C Fifth to the right
D Fifth t o the left

29 How many squares does the figure have?



A 8
B 9
C 11
D 12

30 All needles are threads, All threads are boxes. All trees are boxes.
(A) No needle is tree.
(B) Some trees are threads (C) Some boxes are needles (D) Some trees are needles
Choose the correct answer from the options given below:

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

31 In a row of girl students facing north, Radhika is
10th to the left of Purnima who is
21st from the right end. If Monika who is
17th from the left end is
4th to the right of Radhika, how many students are there in the row?

A 37
B 44
C 43
D Data is insufficient

32 At sunrise, Ajay and Vijay are having a conversation standing in front of each other. The shadow of Vijay is formed towards the right hand of Ajay. What direction is Vijay facing?

A North-East
B South
C East
D North

33 Seeta and Geeta start moving towards each other from two places 200 m apart. After walking 40 m, Geeta turns left and goes 15 m, then she turns right and goes 25 m. She then turns right again and comes back to the road on which she had started walking. If Seeta and Geeta walk with the same speed, what is the distance between them now?

A 40 m
B 35 m
C 55 m
D 65 m

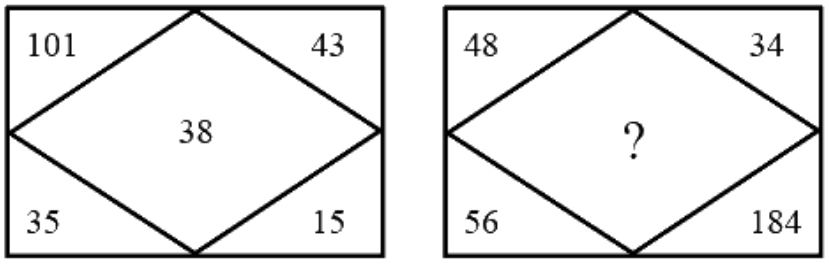
34 Find the odd one among the following :

A Death : Disease
B Grape : Wine
C Milk: Butter
D Water: Oxygen

35 If RAIN is written as 66, then CLOUD is written as

A 55
B 72
C 94
D 80

36 A set of figures carrying certain characters is given below. Assuming that the characters in each set follow same pattern, find the missing character.



A 127
B 142
C 146
D 182

37 In the following number series, only one number is wrong, find out the wrong number
888, 454, 237, 128.5, 76.25, 47.125

A 76.25
B 454
C 128.5
D 237

38 If
8th
February, 2005 was a Tuesday, then what was the day on
8th
February, 2004?

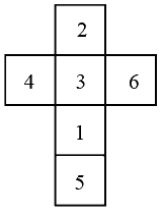
A Tuesday
B Monday
C Sunday
D Wednesday

39 Find the missing number from the given alternatives.

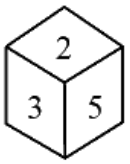
117	200	110
9	8	5
8	9	13
21	34	?

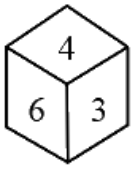
A 31
B 35
C 55
D 18

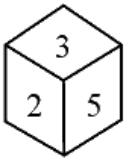
40 The sheet of paper shown in the figure below is folded to form a box

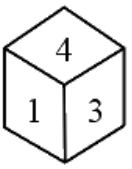


Choose the correct alternative which will represent the position of numbers in above diagram

A 

B 

C 

D 

Language Comprehension

41 Pick the odd one out from the following options :

A Go about
B Go after
C Go fast
D Go through

42 Identify the usages of the word "PUZZLE" in the following sentence.
'The students got puzzled solving the puzzle".

A as an adj ective and as a noun
B as a verb and as an adjective
C as a verb and as a verb
D as a verb and as a noun

43 "An office without pay" is termed as _____

A Salaried
B Bonded
C Exgratia
D Honorary

44 Pick the correct option to complete the following sentence :
"The teacher never _____ in the class."

A sleeps
B sleep
C is sleeping
D has sleep

45 Pick the correct option given below to replace the underlined words/ phrase in the following sentence to make it grammatically correct:
"Do you know that dressing properly for an interview can earns you those brownie points which will help you get that dream job"?

A can earn
B will earning
C will earns
D earned

46 Pick the word opposite in meaning: to the word "DOLEFUL".

A Cheerful
B Deceitful
C Beautiful
D Mournful

47 Pick the correct passive form of the following sentence :
"He urged the council to reduce the rates".

A He urged that the rates should reduced.
B The council urged to reduce the rates.
C The council urges that the rates should be reduced.
D The council was urged to reduce the rates.

Questions 48 – 50

In the Below passage there are blanks, each of which has been numbered. Find out the appropriate option in each case to replace the given numbers.
This particular scepticism of the reach of reasoning (I)_____ not yield - nor (as Appiah makes clear) is it intended to yield - any ground for not using reason to the extent one can, in (II)_____ the idea of justice or any other notion of social relevance, such as identity. Nor does it undermine the case for our trying to persuade each other to scrutinize our respective conclusions. It is also important to note that what may appear to others as clear examples of 'unreason' may not always be exactly that. Reasoned discussion can accommodate conflicting positions that may appear to others to be 'unreasoned' prejudice, without this being quite the case. There is no compulsion, as is sometimes (III)_____ to eliminate every reasoned alternative except exactly one.

48 Pick the appropriate replacement for (II)

A persue
B persues
C persuit
D persuing

49 Pick the appropriate replacement for (I)

A does
B do
C has
D have

50 Pick the appropriate replacement for (III)

A assumes
B assume
C assumed
D assuming

51 Given below are two statements:
Statement I: "HARDLY" can be used to say that something is just true or possible.
Statement II: "HARDLY" is a negative word and should not be used with not or other negatives.
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 fa lse but Statement II is true

52 Rearrange the following sentences to get a meaningful paragraph.
(A) However, Indian girls have not matched this rate of access to education.
(B) Still the Indian girl child has been deprived of the gift, as largely girls are not considered worthy of literacy.
(C) The power of education in transforming communities is a gift that has changed India in the last few decades.
(D) India has seen a substantial increase in primary school enrolment due to the Right to Education (RTE) Act 2009
Choose the correct answer from the options given below :

A B A C D
B A C B D
C C B D A
D D C B A

53 Which of the following are synonyms of the word "DELINEATE"?
(A) Depict (B) Decepitate (C) Describe (D) Depricate
Choose the correct answer from the options given below :

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

54 Given below are two statements : One is labelled as Assertion (A) and the other is labelled as Reason (R). "I wish it were possible."
Assertion (A) : Despite the fact that the above sentence lacks subject-verb concord, as per the English Grammar, it is a syntactically correct sentence.
Reasons (R) : It is a syntactically correct sentence because in subjunctive mood (of verb) even singular subject is followed by a plural verb.
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

55 Rearrange the following components to get a meaningful sentence.
(A) The Buddha (B) of his time and (C) dissented against the orthodoxy (D) the eightfold path stood revealed
Choose the correct answer from the options given below:

A A B C D
B A C B D
C D A C B
D A B D C

56 Match List I with List II :

List I		List II	
A.	Fits and starts	I.	At appropriate time
B.	In less than no time	II.	At intervals
C.	Once in a blue moon	III.	In a moment
D.	On the dot	IV.	Rarely

Choose the correct answer from the options given below:

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

57 Given below are two statements :
Statement I: "VERY" is used with adjectives, past participles used as adjectives and adverbs.
Statement II: But "VERY" is not used with past participles that have a passive meaning.
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

58 Match List I with List II :

List I		List II	
A.	Alma mater	I.	Reasonable value of service
B.	De Jure	II.	One's own old school/college
C.	Ipso facto	III.	By the fact
D.	Quantum meruit	IV.	As a matter of legal right

Choose the correct answer from t he options given below :

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

Questions 59 – 60

All the great religious teachers of mankind have insisted on this : that men ought not to live for themselves alone. We ought not, they have said, to spend all our time and energy in getting just what we want for ourselves, power and money and importance in the world; we ought to serve something greater than ourselves, whether a god or a cause or our fellowmen. It is by serving this something greater that men will forget themselves and so achieve happiness. This or something like it is what the great religions have taught, and it is one of the most important of the things that civilization means. It is also the hardest to learn and practise; in fact, most people have found it much too hard.

59 Which of the following terms is closer to the central idea of the given passage?

A Nationalism
B Materialism
C Humanism
D Altruism

60 What does the passage suggest overall?

(A) It suggests humanism as a religious practice.

(B) It holds nationalism as the most cherished sentiment in society.

(C) It holds altruism as a universal value.

(D) It holds humanism as the most important thing in human life.

(E) It puts altruism in the binary of selfishness.

Choose the correct answer from the options given below :

A A and B only

B A and D only

C B and D only

D C and E only

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General Awareness

61 In Indian Constitution, Directive principles of State Policy are taken form

A Constitution of Australia
B Constitution of France
C Constitution of Canada
D Constitution of Ireland

62 The word 'Blue Revolution' is associated with

A Honey Production
B Fish Production
C Milk Production
D Grain Production

63 Which of the following statements are correct?
(A) Jallianwala Bagh Massacre took place in the year 1919.
(B) People were agitated over the arrest of Dr. Kitchlu and Dr. Satyapal and assembled there.
(C) General O'Dyer fired at people who assembled in Jallianwala Bagh.
(D) Gandhiji Returned his knighthood in the protest.
(E) Sardar Hardayal killed General O'Dyer in London.
Choose the correct answer from the options given below :

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

64 Who is the present Vice President of India?

A Dharmendra Pradhan
B Anurag Singh Thakur
C Jagdeep Dhankhar
D Bhupendra Yadav

65 Given below are two statements :
Statement I: King Ashoka was the son of Chandragupta.
Statement II: The war of Kalinga, changed the Ashoka and he became the follower of Jainism.
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

66 The first Bharat Ratna Awards were not given to

A Pandit Govind Ballabh Pant
B Shri Chakravarti Rajagopalchari
C Dr. Chandra Sekhar Venkat Raman
D Dr. Sarvepalli Radhakrishnan

67 The famous instrumentalist Bismillah Khan was associated with which of the following instrument?

A Flute
B Tabla
C Dholak
D Shehnai

68 22nd
Commonwealth Games - 2022 were held in which city of the world?

A Birmingham
B Brisbane
C Cardiff
D Delhi

69 The first National Education Policy of independent India was commenced in the year

A 1968
B 1986
C 1992
D 2020

70 The first country of the world who legalize Euthanasia was -

A Switzerland
B Netherland
C Poland
D Holland

71 Match List I with List II :

List I		List II	
A.	Warren Hastings	I.	Father of civil services in india
B.	Lord Cornwallis	II.	Introduction of subsidiary Alliance
C.	Lord Wellesley	III.	Establishment of Ryotwari system
D.	Lord Hastings	IV.	Abolition of Dual Government

Choose the correct answer from the options given below :

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

72 The youngest Prime Minister in the history of India was

A Indira Gandhi
B J.L. Nehru
C Rajiv Gandhi
D Choudhary Charan Singh

73 Match List I with List II :

List I (Viceroys of India)		List II (Known for the Events)	
A.	Lord Canning	I.	The Vernacular Press Act
B.	Lord Lytton	II.	The Indian Universities Act
C.	Lord Ripon	III.	Revolt of 1857
D.	Lord Curzon	IV.	The founding father of local self governance in India

Choose the correct answer from the options given below :

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

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

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

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

74 Given below are two statements :
Statement I: Vitamin-A, Vitamin-B and Vitamin-C all are fat soluble vitamins.
Statement II: Vitamin-D, Vitamin-K and Vitamin-E all are water soluble vitamins.
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

75 Rudyard Kipling is the famous writer of which of the following book?

A The Brief History of Time

B The Pie

C Jungle Book

D The Republic

76 Which of the following is not a scalar Quantity?

A Speed

B Work

C Force

D Volume

77 Which of the following statements are correct?
(A) Jainism came into existence around 600 B.C. in India.
(B) There were 24 Tirthankaras in Jainism.
(C} First Tirthankar was Swami Mahavira.
(D) The last and
24th
Tirthankara was Rishabhadeva.
(E) Jainism accept the idea of existance of God and believe in caste system.
Choose the correct answer from the options given below :

A A, B and C only

B B, C and D only

C A and B only

D C, D and E only

78 Arrange the following Indian Defence organization in terms of their foundation year (A) Border Security Force (BSF)
(B) Indian Air Force (IAF)
(C) National Cadet Corps (NCC)
(D) National Security Guards (NSG)
(E) Central Industrial Security Force (CISF)
Choose the correct answer from the options given below :

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

79 Given below are two statements :
Statement I: In Indus valley civilization, houses were made of Bricks.
Statement II: Indus valley civilization were not familiar with cotton.
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

80 Given below are two statements :
Statement I: The Abbreviation of ASCII is, Army standard code for information interchange.
Statement II: The abbreviation of COBOL is, computer Business oriented language.
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

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81 Design thinking has following important stages. Arrange in a sequence.
(A) Define (B) Empathize (C) Prototype (D) Test (E) Ideate
Choose the correct answer from the options given below:

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

82 Critical evaluation points of Entrepreneurship Development Programmes (EDPs) are:
(A) Organisational Policies (B) Suitable selection procedure of trainees and Faculty (C) Quality of Technical and Vocational Education and Training (D) Organisation associated in the EDP
Choose the correct answer from the options given below :

A C, D only
B A, B, C, D only
C A, B, C only
D B, D only

83 Following are the reasons of the success of entrepreneurial ventures (A) Effective Market Research (B) Good Financial Control (C) Good Management (D) Caste of Entrepreneur (E) Good Idea
Choose the correct answer from the options given below :

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

84 Given below are two statements :
Statement I: Dividing the market in small niches is known as targeting.
Statement II: Segmentation and targeting are essential components of understanding the market and tap it effectively.
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

85 Handson learning can be best taught through.
(A) Case study analysis (B) Entrepreneurial Audit (C) Entrepreneurial profiling (D) Class discussion (E) Focused group discussion
Choose the correct answer from the options given below :

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

86 Shaadi.com, an online match making service is an example of following start up model

A Subscription based business service model
B Transaction based business service model
C Multilevel marketing premium model
D Relationship based selling

87 Given below are two statements :
Statement I: Business ideation is important aspect of venture creation.
Statement II: Conversation that happens in an elevator is known as elevator pitch.
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 correct
B Both Statement I and Statement II are incorrect
C Statement I is correct but Statement II is incorrect
D Statement I is incorrect but Statement II is correct

88 Along with goal setting, major concerns for a growing enterprise are (A) Time management. (B) Finding, retaining and motivating able human resource (C) Finding new financers (D) Diversification and export potential (E) Performance measurement and incentives
Choose the correct answer from the options given below :

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

89 Which of the following factors are not relevant for judging the adequacy of market?

A Labour Market
B Domestic Market Demand
C Export Market Demand
D Competitors and their market shares

90 Given below are two statements :
Statement I: Changing competition in market place is the primary reason for govt involvement in business globally.
Statement II: Increase in cost of production is the primary reason for govt in business globally.
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 correct
B Both Statement I and Statement II are incorrect
C Statement I is correct but Statement II is incorrect
D Statement I is incorrect but Statement II is correct

91 Diffusion of Innovation theory is associated with

A Schumpeter
B Peter Drucker
C Fedrick Taylor
D E.M. Rogers

92 Which of the following statements are correct?
(A) SMILE loans are aimed pursue growth opportunities (B) SMILE loans are aimed to pay for the earlier loan (C) SMILE loans are available to both manufacturing and services organisations.
(D) SMILE loans are aimed at setting upstate of the Art manufacturing infrastructure for MSME
(E) SMILE loans are aimed at meeting the consumption needs of farm-based entrepreneurs.
Choose the correct answer from the options given below :

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

93 The legal term for brand is

A Patent
B License
C Copyright
D Trade mark

94 Match List I with List II :

List I		List II	
A.	Plant and Machinery Records	I.	Design thinking
B.	Profit Statements	II.	Technical feasibility
C.	Creativity and Innovation	III.	Financial feasibility
D.	Empathize	IV.	Business ideation

Choose the correct answer from the options given below:

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

95 Bottom line measures of social performance for an entrepreneur include the following (A) Unemployment rate (B) Relative Poverty (C) GDP Growth (D) Average Commute Time (E) Illiteracy Rate
Choose the correct answer from the options given below :

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

96 'Entrepreneur' means

A to struggle
B to undertake
C to invent
D to motivate

97 To maintain consistent business through out the year, an entrepreneur may

A do multiple businesses at a time
B have more than one customer segment
C do gurilla marketing and sales promotion
D do business plan

98 Shruti wants to launch a small flora l shop in Nagarbhavi, Bengaluru. As part of business plan, she prepared an engaging. MS Powerpoint presentation to garner interest among potential investors and trigger discussion. This format of business plan is known as

A Business plan

B Pitch deck

C Presentation

D Business talk

99 Match List I with List II :

List I		List II	
A.	Manage	I.	Value addition
B.	Retailer	II.	Gets the work done
C.	Entrepreneur	III.	Works on existing business model
D.	Business Man	IV.	Calculate risk taking

Choose the correct answer from the options given below :

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

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

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

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

100 Becoming an entrepreneur is more about

A money

B commitment

C support available

D mindset

Answer Key

Quantitative Techniques and Data Interpretation

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

Logical Reasoning

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

Language Comprehension

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

General Awareness

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

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

Solutions

Quantitative Techniques and Data Interpretation

1 **Answer: B**

Store D: 12% of 84000 = 10080. B linen = 5/11 × 18480 = 8400. 10080 is **20%** more.

2 **Answer: C**

D: linen 6300, cotton 3780; E: linen 13440, cotton 10080. Average linen 9870 − average cotton 6930 = **2940**.

3 **Answer: B**

C total = 6720; F linen = 7/10 × 11760 = 8232. Ratio = **40 : 49**.

4 **Answer: C**

No solution ↔ parallel lines; a unique solution ↔ intersecting lines. Coincident lines have infinitely many solutions, and lines never meet twice. **A and D.**

5 **Answer: C**

Milk is $\frac{10}{16}$. Replace fraction x: $\frac{10}{16}(1-x)=\frac{1}{2} \Rightarrow x=$ **1/5**.

6 **Answer: A**

Numbers 21a, 21b with ab = 3003/21 = 143 = 11 × 13. Numbers 231 and 273; sum = **504**.

7 **Answer: B**

Correct answer: **B — (A)-(II), (B)-(III), (C)-(IV), (D)-(I)**.

8 **Answer: B**

Correct answer: **B — D > B > C > A**.

9 **Answer: C**

Correct answer: **C — (A)-(IV), (B)-(I), (C)-(II), (D)-(III)**.

10 **Answer: C**

Number of cones $=\frac{\pi(17.5)^2 \cdot 32}{\frac{1}{3}\pi(2)^2 \cdot 7}=$ **1050**.

11 **Answer: B**

6 men × 3 days = 18 man-days. 3 men + 18 women for 2 days: 6 + 36W = 18 → 1 woman = 1/3 man. Work = 54 woman-days; 9 women take **6 days**.

12 **Answer: D**

For intersecting chords PX·PY = PZ·PT (a product, not a difference), so I is false. △PXZ ~ △PTY is true.

13 **Answer: D**

$\frac{a^2+b^2}{100} = \frac{2ab}{100} \Rightarrow (a-b)^2 = 0 \Rightarrow a = b$, i.e. **100%**.

14 **Answer: A**

Both are standard triangle-inequality results: perimeter > sum of medians, and AB + BC + CA > 2AD.

15 **Answer: C**

P(miss all) = 0.9 × 0.8 × 0.65 × 0.55 = 0.2574. P(hit) = **0.7426**.

16 **Answer: A**

0.7M + 0.3W = 88 and M + W = 160 → M = 100, W = 60.

17 **Answer: B**

Each ordered pair of different stations needs a ticket: 10 × 9 = **90**.

18 **Answer: C**

Circle (r = 7): 154 cm². Rectangle 14 × 11 = 154 cm². **A and C.**

19 **Answer: D**

$\sqrt[3]{2} \approx 1.26$, $\sqrt[6]{7} \approx 1.38$, $\sqrt[4]{5} \approx 1.50$, $\sqrt{3} \approx 1.73$ → **A < D < C < B**.

20 **Answer: D**

Correct answer: **D — 850**.

Logical Reasoning

21 **Answer: B**

1st letters −3 (X, U, R, O), 2nd +2 (R, T, V, X), 3rd +3, +4, +5 (F, I, M, R) → **OXR**.

22 **Answer: B**

Fire leaves ashes; an explosion leaves **debris**.

23 **Answer: D**

10 am to 3 pm next day = 29 clock-hours. True time = 29 × 24/(24 + 1/6) = 28.8 h = 28 h 48 min → **2:48 pm**.

24 **Answer: C**

F is the father of A, B and C; D is C's husband → F is D's **father-in-law**.

25 **Answer: A**

"Yet again" shows the grid had collapsed before (I). II is a judgement not implied. **Only I.**

26 **Answer: C**

Tides are the periodic rise and fall of sea level (A true), but the reason given is not the correct cause.

27 **Answer: A**

Independence protects against unlawful acts by the executive (I strong). **Only I.**

28 **Answer: A**

Placing all nine people around the circle from the clues, H ends up **third to the left** of E.

29 **Answer: D**

Counting the small squares and the squares formed by combining them gives **12**.

30 **Answer: D**

Needles ⊂ threads ⊂ boxes, so some boxes are needles (C). Trees are only known to be boxes — A, B, D are uncertain. **C only.**

31 **Answer: C**

Monika is 17th from the left and 4th right of Radhika → Radhika is 13th. Purnima is 10 places right of her → 23rd from left. Total = 23 + 21 − 1 = **43**.

32 **Answer: D**

At sunrise shadows fall west. Vijay's shadow is on Ajay's right, so Ajay faces south and Vijay faces **north**.

33 **Answer: A**

Correct answer: **A — 40 m**.

34 **Answer: A**

Death is caused by disease (effect : cause); the others are source : product. **Death : Disease**.

35 **Answer: D**

Use reverse alphabet positions: R(9)+A(26)+I(18)+N(13) = 66. CLOUD = 24+15+12+6+23 = **80**.

36 **Answer: B**

The same arithmetic rule links the numbers in each figure; applying it to the last figure gives **142**.

37 **Answer: A**

Rule: ÷2 + 10. 888 → 454 → 237 → 128.5 → 74.25 → 47.125. So **76.25** is wrong.

38 **Answer: C**

2004 is a leap year, so 8 Feb 2004 → 8 Feb 2005 is 366 days (2 odd days). Tuesday − 2 = **Sunday**.

39 **Answer: B**

Applying the pattern used in the other parts of the figure gives **35**.

40 **Answer: D**

When folded, faces opposite each other in the net cannot be adjacent; only option **D** satisfies this.

Language Comprehension

41 **Answer: C**

Go about, go after and go through are phrasal verbs; "go fast" is not.

42 **Answer: D**

"Got puzzled" — verb (participle); "the puzzle" — noun.

43 **Answer: D**

An office held without pay is **honorary**.

44 **Answer: A**

Habitual action with a singular subject: **sleeps**.

45 **Answer: A**

After a modal, use the base verb: **can earn**.

46 **Answer: A**

Doleful = sad; opposite **cheerful**.

47 **Answer: D**

Passive: **The council was urged to reduce the rates.**

48 **Answer: D**

"In pursuing" — a gerund after a preposition.

49 **Answer: A**

Singular subject "scepticism" takes **does**.

50 **Answer: C**

Past participle needed: **assumed**.

51 **Answer: A**

"Hardly" means barely/only just, and since it is negative it is not used with "not". **Both true.**

52 **Answer: C**

C introduces the topic, B ("Still...") contrasts it, D continues, A ("However...") concludes: **C B D A**.

53 **Answer: B**

Delineate = depict / describe. **A and C.**

54 **Answer: A**

"I wish it were" uses the subjunctive for an unreal wish, which explains why "were" follows "it".

55 **Answer: B**

"The Buddha dissented against the orthodoxy of his time and the eightfold path stood revealed." **A C B D**.

56 **Answer: B**

Correct answer: **B — (A)-(II), (B)-(III), (C)-(IV), (D)-(I)**.

57 **Answer: A**

"Very" goes with adjectives and adverbs but not with passive past participles (use "very much"). **Both true.**

58 **Answer: B**

Correct answer: **B — (A)-(II), (B)-(IV), (C)-(III), (D)-(I)**.

59 **Answer: D**

Living for others rather than oneself is **altruism**.

60 **Answer: D**

The passage presents altruism as a universal value and sets it against selfishness. **C and E.**

General Awareness

61 **Answer: D**

Directive Principles were borrowed from the **Irish** Constitution.

62 **Answer: B**

Blue Revolution — **fish production**.

63 **Answer: A**

A, B, C are correct. Tagore (not Gandhi) renounced his knighthood, and Udham Singh killed O'Dwyer.

64 **Answer: C**

At the time of the exam (2024), the Vice President was **Jagdeep Dhankhar**.

65 **Answer: B**

Ashoka was Bindusara's son, and after Kalinga he embraced Buddhism. **Both false.**

66 **Answer: A**

The first Bharat Ratnas (1954) went to Rajagopalachari, Radhakrishnan and C.V. Raman. G.B. Pant received it in 1957.

67 **Answer: D**

Bismillah Khan — **Shehnai**.

68 **Answer: A**

CWG 2022 — **Birmingham**.

69 **Answer: A**

First National Policy on Education — **1968**.

70 **Answer: B**

The Netherlands legalised euthanasia first (2002).

71 **Answer: A**

Correct answer: **A — (A)-(IV), (B)-(I), (C)-(II), (D)-(III)**.

72 **Answer: C**

Rajiv Gandhi became PM at 40 — the youngest.

73 **Answer: C**

Correct answer: **C — (A)-(III), (B)-(I), (C)-(IV), (D)-(II)**.

74 **Answer: B**

Fat-soluble: A, D, E, K; water-soluble: B, C. **Both false.**

75 **Answer: C**

Kipling wrote **The Jungle Book**.

76 **Answer: C**

Force has direction — a vector, not a scalar.

77 **Answer: C**

A and B are correct. Rishabhanatha was the first Tirthankara and Mahavira the last; Jainism rejects a creator God and the caste system.

78 **Answer: D**

IAF 1932, NCC 1948, BSF 1965, CISF 1969, NSG 1984 → **B, C, A, E, D**.

79 **Answer: C**

Indus houses were of brick (I true), and Harappans grew cotton (II false).

80 **Answer: B**

ASCII = American Standard Code...; COBOL = Common Business-Oriented Language. **Both false.**

Innovation and Entrepreneurship

81 **Answer: A**

Empathize → Define → Ideate → Prototype → Test: **B, A, E, C, D**.

82 **Answer: C**

EDPs are judged on policies, selection of trainees/faculty and quality of education. **A, B, C.**

83 **Answer: C**

Market research, financial control, management and a good idea drive success; caste does not.

84 **Answer: D**

Dividing a market is segmentation, not targeting (I false); II is true.

85 **Answer: A**

Hands-on learning comes through case studies, entrepreneurial audits and profiling. **A, B, C.**

86 **Answer: A**

Shaadi.com charges membership fees — a **subscription** model.

87 **Answer: C**

Ideation is central to venture creation; an elevator pitch is a brief pitch, not any conversation in a lift.

88 **Answer: D**

Time management, human resources and expansion concerns: **A, B, E**.

89 **Answer: D**

Correct answer: **D — Competitors and their market shares**.

90 **Answer: C**

Correct answer: **C — Statement I is correct but Statement II is incorrect**.

91 **Answer: D**

Diffusion of Innovations — **E.M. Rogers**.

92 **Answer: B**

SIDBI's SMILE loans fund growth, cover manufacturing and services, and support modern infrastructure. **A, C, D.**

93 **Answer: D**

A brand's legal protection is a **trademark**.

94 **Answer: B**

Correct answer: **B — (A)-(II), (B)-(III), (C)-(IV), (D)-(I)**.

95 **Answer: A**

Social bottom-line measures: unemployment, poverty, commute time, illiteracy. GDP growth is an economic measure.

96 **Answer: B**

"Entrepreneur" comes from the French *entreprendre* — **to undertake**.

97 **Answer: B**

Serving more than one customer segment smooths seasonal demand.

98 **Answer: B**

A presentation to attract investors is a **pitch deck**.

99 **Answer: A**

Correct answer: **A — (A)-(II), (B)-(I), (C)-(IV), (D)-(III)**.

100 **Answer: D**

Entrepreneurship is primarily about **mindset**.