Section 1: Quantitative Ability (25 questions)

1. A dog takes four leaps for every five leaps of hare but three leaps of the dog is equal to four leaps of the hare. Compare speed?

   A. 12:16   B. 19:20   C. 16:15   D. 10:12

2. There are 76 persons. 53 can read hindu, 46 can read times,39 can read deccan and 15 can read all. If 22 can read hindu and deccan and 23 can read deccan and times then what is the number of persons who read only times and hindu?

   A. 14   B. 18   C. 25   D. 42

3. In pure milk if 20% replaced by water and in this again 20% is replaced by water and again 20% is replaced by water then what is the percentage of milk in that mixture?

   A. 41%   B. 64%   C. 51%   D. 80%

4. After 10 years A will be twice the age of B before 10 years and now if the difference is 9 years between them then what is the age of B after 10 years?

   A. 49   B. 50   C. 51   D. 52

5. x% of y is y% of ?

   A. x/y   B. 2y   C. x   D. can't be determined

6. The prices of sugar increases by 20%, by what % should a housewife reduce the consumption of sugar so that expenditure on sugar can be same as before?

   A. 15% B. 16.66% C. 12% D. 9%

7. A man spends half of his salary on household expenses, 1/4th for rent, 1/5th for travel expenses; the man deposits the rest in a bank. If his monthly deposits in the bank amount Rs. 50, what is his monthly salary?

   A. Rs.500   B. Rs.1500   C. Rs.1000   D. Rs. 900

8. Find the greatest no. that will divide 964, 1238 and 1400 leaving remainder of 41, 31 and 51 respectively.

   A. 58   B. 64   C. 69   D. 71

9. If all 6's get inverted and become 9's, by how much will the sum of all nos. between 1 and 100 both inclusive change?

   A. 300   B. 330   C. 333   D. none of these

10. If all the picture cards are removed from a pack of 52 cards, the sum of the values of the remaining is:

    A. 55   B. 220   C. 54   D. 216

11. One monkey climbs a poll at the rate of 6mts/min and fell down 3mts in the alternate minute. Length of the poll is 54 metres, how much time it will take to reach the top?

    A. 31   B.33   C.37   D.40

12. Find the approximate value of the missing term. 6.23% of 258.43 - ? + 3.11% of 127 = 13.87

    A. 2   B. 4   C. 8   D. None of these

13. A train overtakes 2 persons walking at 3 km/hr and 5 km/hr respectively in the same direction and completely passes them in 8 seconds and 10 seconds respectively. Find the speed of the train.

A. 15 km/hr   B. 13 km/hr   C. 10 km/hr   D. 10 km/hr

14. The sum of a number and its square is 1406. What is the number?
   A. 38   B. 39   C. 37   D. 29

15. In a business P and Q invested amounts in the ratio 3:4, whereas the ratio between amounts invested by P and R was 6:7. If Rs 106501.50 was their profit, how much amount did Q receive?
   A. Rs 40572   B. Rs 30429   C. Rs 35500.50   D. Rs 34629

16. A man buys spirit at Rs. 60 per letter, adds water to it and then sells it at Rs. 75 per litter. What is the ratio of spirit to water if his profit is 37.5%?
   A. 9:1   B. 10:1   C. 11:1   D. None of these.

17. A certain quantity of petrol is found to be adulterated to the extent of 10%. What proportion of the adulterated petrol should be replaced with pure petrol to take the purity level to 98%?
   A. 80%   B. 32%   C. 66.67%   D. cannot be
   determined.

18. 2 trains starting at the same time from 2 stations 200km apart and going in opposite direction cross each other at a distance of 110km from one of the stations. What is the ratio of their speeds?

   A. 9:1   B. 10:1   C. 11:1   D. None of these.

19. My mother gave me money to buy stamps of price 2paisa, 7 paisa, 15 paisa, 10paisa and 20 paisa. I had to buy 5 each of three types and 6 each of the other 2 types. But on my way to the post office I forgot how many of stamps of each type were to be brought. My mother had given me rupees 3. So I had no problem in finding out the exact amount of each one. Can you tell me which type of stamp is not 5 in number?
   A. 2paisa   B. 7 paisa   C. 15 paisa   D. 20 paisa

20. By selling some cloth at the cost price a merchant still gained 191/21%. How much less cloth does he measure for a meter?
   A. 15cm   B. 16cm   C. 20cm   D. None of these

21. 30% loss on cost price in what percent loss on selling price?
   A. 30%   B. 20%   C. 15%   D. None of these

22. Arun purchased a house for Rs.75000 and a site for Rs.15000 respectively, if he sold the house for Rs.83000 and the site for Rs.10000, and then find the resultant percentage of gain?
   A. 3.33% B. 31/3% C. 30% D. 331/3%

23. A man covers a distance on scooter, had he moved 3kmph faster he would have taken 40 min less. If he had moved 2kmph slower he would have taken 40min more. The distance is.
   A. 20 B. 30 C. 40 D. 50

24. Excluding stoppages, the speed of the bus is 54kmph and including stoppages, it is 45kmph.for how many minutes does the bus stop per hr.
   A. 5 B. 10 C. 15 D. 20

25. Two boys starting from the same place walk at a rate of 5kmph and 5.5kmph respectively. What time will they take to be 8.5km apart, if they walk in the same direction?
   A. 14 hours   B. 15 hours   C. 16 hours   D. 17 hours

Section 2: Mental Ability (25 questions)

   Each of the questions from 1-5 is based on the information given below:

        I.   A ,B, C, D and E are five men sitting in a line facing to south - while M, N, O, P and Q are

five ladies sitting in a second line parallel to the first line and are facing to North.

II. B who is just next to the left of D, is opposite to Q.

III. C and N are diagonally opposite to each other.

IV. E is opposite to O who is just next right of M.

V.   P who is just to the left of Q, is opposite to D.

VI.   M is at one end of the line.

1. Who is sitting third to the right of O?
   A. Q   B. N   C. M   D. Data inadequate

2. If B shifts to the place of E, E shifts to the place of Q, and Q shifts to the place of B, then who will be the second to the left of the person opposite to O?
   A. Q   B. P   C. E   D. D

3. Which of the following pair is diagonally opposite to each other?
   A. EQ   B. BO   C. AN   D. AM

4. If O and P, A and E and B and Q interchange their positions, then who will be the second person to the right of the person who is opposite to the person second of the right of P?
   A. D   B. A   C. E   D. O

5.   In the original arrangement who is sitting just opposite to N?
   A. B   B. A   C. C   D. D

6. Look at this series: F2, __, D8, C16, B32, ... What number should fill the blank?
   A. A16   B. G4   C. E4   D. E3

7. A can complete the work in 14 days, what part of the work will be done in 3.5 days?
   A. ¼   B. ½   C. 4   D. 2

In each question (8-10) below is given a statement followed by two conclusions numbered I and II. You have to assume everything in the statement to be true, then consider the two conclusions together and decide which of them logically follows beyond a reasonable doubt from the information given in the statement.
Give answer:
   (A) If only conclusion I follows
   (B) If only conclusion II follows
   (C) If either I or II follows
   (D) If neither I nor II follows

8. **Statements:** The best evidence of India's glorious past is the growing popularity of Ayurvedic medicines in the West.
   Conclusions: I. Ayurvedic medicines are not popular in India. II. Allopathic medicines are more popular in India.

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9. **Statements**: Parents are prepared to pay any price for an elite education to their children.
   Conclusions: I. All parents these days are very well off.
                    II. Parents have an obsessive passion for a perfect development of their children through good schooling.

10. **Statements**: The average number of persons per household is 5 in urban areas whereas it is 7 in rural areas. The national average is 6.

   Conclusions: I. The population per unit area in the rural areas is higher than in the urban areas.
   II. More persons live in the same household in the rural areas as compared to those in the urban areas.

11. **Statements**: The best way to escape from a problem is to solve it.

   Conclusions: I. Your life will be dull if you don't face a problem.
   II. To escape from problems, you should always have some solutions with you.

12. ELFA, GLHA, ILJA, _____, MLNA
   A. OLPA   B. KLMA   C. LLMA   D. KLLA

   Directions for questions 13-14:
   First, you will be given a list of three "nonsense" words and their English word meanings. The question(s) that follow will ask you to reverse the process and translate an English word into the artificial language.

13. Here are some words translated from an artificial language. gorblflur means fan belt
   pixngorbl means ceiling fan
   arthtusl means tile roof
   Which word could mean "ceiling tile"?
   A. gorbltusl   B. flurgorbl   C. arthflur   D. pixnarth

14. Here are some words translated from an artificial language. hapllesh means cloudburst
   srenchoch means pinball
   resbosrench means ninepin
   Which word could mean "cloud nine"?
   A. leshsrench   B. ochhapl   C. haploch   D. haplresbo

   Directions for questions 15-16:

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Each problem consists of three statements. Based on the first two statements, the third statement may be true, false, or uncertain.

15. Tanya is older than Eric.
   Cliff is older than Tanya.
   Eric is older than Cliff.
   If the first two statements are true, the third statement is
   A. True B. False C. Uncertain D. Can't be determined

16. Blueberries cost more than strawberries.
   Blueberries cost less than raspberries.
   Raspberries cost more than both strawberries and blueberries.
   If the first two statements are true, the third statement is
   A. True   B. False   C. Uncertain   D. Can't be determined

17. Rahul ranks 18th in the class of 50. What is his rank from the last?
   A. 18   B. 32   C. 31   D. 33

18. Find the number of triangles in the given figure.
   A. 12   B. 18   C. 22   D. 26

19. If log 27 = 1.431, then the value of log 9 is:
   A. 0.934   B. 0.945   C. 0.954   D. 0.958

20. The average of 20 numbers is zero. Of them, at the most, how many may be greater than zero?

A. 0   B. 1   C. 10   D. 19

21. The average weight of 8 person's increases by 2.5 kg when a new person comes in place of one of them weighing 65 kg. What might be the weight of the new person?

A. 80   B. 85   C. 90   D. Data Inadequate

22. In a camp, there is a meal for 120 men or 200 children. If 150 children have taken the meal, how many men will be catered to with remaining meal?

A. 20 B. 30 C. 40 D. 50

23. An error 2% in excess is made while measuring the side of a square. The percentage of error in the calculated area of the square is:

A. 2%   B. 2.02%   C. 4%   D. 4.04%

24. 15, 47, 99, 1611, 2513, ___

A. 3615   B 3516   C. 5136   D. 3561

25. Two poles of heights 10 m and 15m stand on a plane ground. If the distance between their feet is 12m the distance between their top is:

A. 5   B. 12   C. 12.5   D. 13

Section 3: Verbal Ability (25 questions)

Directions for questions 1 to 8: Read the passage given below and answer the questions that follow:

A stout old lady was walking with her basket down the middle of a street in Petrograd to the great confusion of the traffic and with no small peril to herself. It was pointed out to her that the pavement was the place for pedestrians, but she replied: 'I'm going 5 to walk where I like. We've got liberty now.' It did not occur to the dear old lady that if liberty entitled the pedestrian to walk down the middle of the road, then the end of such liberty would be universal chaos. Everybody would be getting in everybody else's way and nobody would get anywhere.
10 Individual liberties would have become social anarchy. There is a danger of the world getting liberty-drunk in these days like the old lady with the basket, and it is just as well to remind ourselves of what the rule of the road means. It means that in order that the liberties of all may be preserved, the
15 liberties of everybody must be curtailed. When the policeman, say, at Piccadilly Circus steps into the middle of the road and puts out his hand, he is the symbol not of tyranny, but of liberty. You may not think so. You may, being in a hurry, and seeing your car pulled up by this insolence of office, feel that your
20 liberty has been outraged. How dare this fellow interfere with your free use of the public highway? Then, if you are a reasonable person, you will reflect that if he did not interfere with you, he would interfere with no one, and the result would be that Piccadilly Circus would be a maelstrom that you would never
25 cross at all. You have submitted to a curtailment of private liberty in order that you may enjoy a social order which makes your liberty a reality.
Liberty is not a personal affair only, but a social contract. It is an accommodation of interests. In matters which do 30 not touch anybody else's liberty, of course, I may be as free as I like. If I choose to go down the road in a dressing-gown who shall say me nay? You have liberty to laugh at me, but I have liberty to be indifferent to you. And if I have a fancy for dyeing my hair, or waxing my moustache (which heaven forbid), or
35 wearing an overcoat and sandals, or going to bed late or getting

up early, I shall follow my fancy and ask no man's permission. I shall
not inquire of you whether I may eat mustard with my mutton. And
you will not ask me whether you may follow this religion or that,
whether you may prefer Ella Wheeler Wilcox to
40 Wordsworth, or champagne to candy.
In all these and a thousand other details you and I please ourselves
and ask no one's leave. We have a whole kingdom in which we rule
alone, can do what we choose, be wise or ridiculous, harsh or easy,
conventional or odd. But directly we
45 step out of that kingdom, our personal liberty of action becomes
qualified by other people's liberty. I might like to practice on the
trombone from midnight till three in the morning. If I went on to the
top of Everest to do it, I could please myself, but if I do it in my
bedroom my family will object, and if I do it out in the streets
50 the neighbors will remind me that my liberty to blow the
trombone must not interfere with their liberty to sleep in
quiet. There are a lot of people in the world, and I have to
accommodate my liberty to their liberties.
We are all liable to forget this, and unfortunately we are much
55 more conscious of the imperfections of others in this respect than of our
own. A reasonable consideration for the rights or feelings
of others is the foundation of social conduct.
It is in the small matters of conduct, in the observance of
the rule of the road, that we pass judgment upon ourselves, and 60
declare that we are civilized or uncivilized. The great moments of
heroism and sacrifice are rare. It is the little habits of
commonplace intercourse that make up the great sum of life
and sweeten or make bitter the journey.

1. The author might have stated his 'rule of the road' as

A. do not walk in the middle of the road

B. follow the orders of policemen

C. do not behave inconsiderately in public

D. do what you like in private

E. liberty is more important than anarchy

2. The author's attitude to the old lady in paragraph one is

A. condescending

B. intolerant

C. objective

D. sardonic

E. supportive

3. The sentence 'It means....curtailed' (lines 13-15) is an example of

A. hyperbole

B. cliché

C. simile

D. paradox

E. consonance

4. Which sentence best sums up the author's main point?

A. There is a danger....lines 11-13

B. A reasonable.... lines 56-57

C. It is in the small matters....lines 58-60

D. The great moments....lines 60-61

E. It is the little....lines 61-63

5. A situation analogous to the 'insolence of office' described in paragraph 2 would be

A. a teacher correcting grammar errors

B. an editor shortening the text of an article

C. a tax inspector demanding to see someone's accounts

D. an army office giving orders to a soldier

E. a gaoler locking up a prisoner

6. 'Qualified' (line 46) most nearly means

A. accredited

B. improved

C. limited

D. stymied

E. educated

7. The author assumes that he may be as free as he likes in

A. all matters of dress and food

B. any situation which does not interfere with the liberty of others

C. anything that is not against the law

D. his own home

E. public places as long as no one sees him

8. In the sentence 'We are all liable....' (lines 54-56) the author is

A. pointing out a general weakness

B. emphasizing his main point

C. countering a general misconception

D. suggesting a remedy

E. modifying his point of view

Directions for questions 9-11: Fill in the following blanks with the correct options:

9. According to corporate circles data is pushing through the merger to create financially ......
company in the processed foods business, the group's thrust area for the 1990's

A.acceptable	B.powerful
C.leading	D.straight

10. A sanguine outlook is associated with the ......

A.rationalist	B.socialist

C.philanthropist D.Optimist

11. One major ...... between the Election Commission and the Union Government related to the powers of the former in respect of the deployment of central police forces at places where are elections is held.

A. irritant	B. conflict
C. pain	D. Culprit

12. The communalist represents the ...... of everything noble that we have inherited from our culture and history.

A.antithesis	B.antidote
C.immorality	D.antagonism

13. The ...... of the Minister's statement cannot be verified by people who have no access to official records.

A.veracity	B.verbosity
C.ambiguity	D.validity

14. Once you suspect a person of double dealing, you ought to keep him at arm's ......

A.distance	B.length
C.aim	D.Width

Directions for questions 15 – 18: In the following questions choose the word which is the exact OPPOSITE of the given words.

15. QUIESCENT

A.Active	B.Dormant
C.Weak	D.Unconcerned

16. FRAUDULENT

A.Candid	B.Direct
C.Forthright	D.Genuine

17. BUSY

A.Occupied	B.Engrossed
C.Relaxed	D.Engaged

Directions for questions from 18 to 22: In each question below a sentence with four words printed in bold type is given. These are lettered as (A), (B), (C) and (D). One of these four parts has an error. If all the parts are correctly written, mark (E) i.e. 'All correct' as your answer.

18. He was wearing shabby (A) faded trouser which he explained (B) were called jeans and (C) cost a fortune. (D) All correct (E)

19. Many a student are (A) frustrated (B) because of (C) unemployment. (D) All correct (E)

20. The audience (A)are requested (B) to be in (C) its seats. (D) All correct (E)

21. Though she was sick (A) but (B) she went (C) to work (D) . All correct (E)

22. I had scarcely (A) finished my meals (B) than (C) my friend dropped in (D) All correct (E)

Give the correct order of sentences in question

23. 23. P. Passivity is not, of course, universal.

Q. In areas where there are no lords or laws, or in frontier zones where all men go armed, the attitude of the peasantry may well be different.

R. So indeed it may be on the fringe of the un-submissive.

S. However, for most of the soil-bound peasants the problem is not whether to be normally passive or active, but when to pass from one state to another.

T. This depends on an assessment of the political situation.

A. QTSPR	B. RSPQT	C. TSQPR	D. PQRST

24. S₁: A man can be physically confined within stone walls. P : But his mind and spirit will still be free.

Q : Thus his freedom of action may be restricted. R : His hopes and aspiration still remain with him. S : Hence, he will be free spiritually if not physically. S₆: No tyranny can intimidate a lover of liberty.

The Proper sequence should be:

A.PQRS

B.SRQP

C.QPRS

D.QPSR

25.

S₁: An elderly lady suddenly became blind.

P : The doctor called daily and every time he took away some of her furniture he liked. Q : At last she was cured and the doctor demanded his fee.

R : She agreed to pay a large fee to the doctor who would cure her S : On being refused, the doctor wanted to know the reason.

S₆: The lady said that she had not been properly cured because she could not see all his furniture.

The Proper sequence should be:

A.PQRS

B.RPQS

C.RSPQ

D.RQPS