

SET UG II

VERBAL COMPREHENSION

Direction (Q.1-5): Read the passage given below and answer these questions.

Passage

At one time in the history of India, most women knew very well how to bring up their infants and they lived a perfectly healthy life, free from diseases. The overall standard of women and children in the country was much better than that of other civilizations of that period. But ever since India was exposed to frequent foreign invasions from foreign nations, the life was unsafe and property unprotected, the people were forced to congregate in towns in such a compact way that it led to awful insanitation and diseases. The traditional knowledge of domestic and personal health and hygiene was ignored. Women were confined indoors for fear of insults and a train of social and unhealthy dangers followed all around. It is a problem how now we can restore the original conditions of healthy and happy life in India. This is a socio-economic problem which needs to be given priority to bring back the original culture and restore welfare of women and children in India.

Q.1 What was the main cause of poor health conditions of women in India?

- (1) Women were confined indoors.
- (2) Illiteracy among women
- (3) Frequent foreign invasions
- (4) Awful sanitation

Q.2 Why did life become unsafe and property unprotected?

- (1) Because of awful insanitation and diseases
- (2) Because the women were confined indoors
- (3) People were forced to congregate in towns
- (4) Exposure to frequent foreign invasion

Q.3 When were the women leading a perfectly healthy life?

- (1) After being confined indoors
- (2) Before foreign invasions
- (3) After restoring original conditions of healthy and happy life
- (4) Cannot be determined from the passage

Q.4. How are foreign invasions responsible for poor health conditions?

- (1) Foreigners maltreated the public
- (2) People were forced to congregate in towns in a compact way
- (3) Foreigners brought unhealthy ways of life

(4) People were made to serve as labour

Q.5. What question has the writer posed before the readers?

- (1) How to check foreign invasions?
- (2) Why has the traditional knowledge being ignored?
- (3) What should be done for infants and women?
- (4) How to restore the original conditions of healthy and happy life in India?

Direction (Q.6-10): Read the following passage and answer these questions.

Passage

There are many types of problem molecules in the body, and each type is specific to its function. For example, proteins such as keratin and collagen give strength and elasticity to hair, as well as to skin and tendons; haemoglobin and myoglobin are the oxygen binding proteins of the blood and the muscle respectively; and ovalbumin, the principal protein of egg white is responsible for setting and foaming properties of eggs. A particularly important group of proteins known as enzymes, directs all the body cells to produce chemical reactions. These reactions provide the basis of every type of cell activity, including growth, repair, the production of energy and the excretion of waste products.

Q.6. A suitable title to the passage could be

- (1) Problem molecules in the body
- (2) Structure of proteins and enzymes
- (3) Strength of molecules
- (4) Functions of proteins and enzymes

Q.7. From the passage it is clear that there are several types of proteins which

- (1) can create problems in our body
- (2) are found in all organism
- (3) have interchangeable functions
- (4) carry out specific tasks

Q. 8. The tone of the passage can best be described as

- (1) critical
- (2) descriptive
- (3) persuasive
- (4) analytical

Q.9. Proteins are classified according to

- (1) the number of molecules
- (2) their names
- (3) their functions
- (4) the part of the body they are found in

Q.10. The functions of the enzymes is to

- (1) bind oxygen in the blood
- (2) direct chemical reactions in body cells
- (3) give strength and elasticity to hair
- (4) set and form properties of an egg

Direction (Q.11-15): Choose the correct meaning of idioms, given underlined in the sentences.

Q.11. I feel terribly tired working in the office. I will hit the sack early today.

- (1) wind up my work
- (2) go to bed
- (3) go home
- (4) go out of office

Q.12. When it comes to her health, Sandhya has a devil may care attitude.

- (1) attitude that somebody will care for her.
- (2) very cautious attitude
- (3) very casual attitude
- (4) belief in unnatural powers

Q.13. Harish is a very clever person. He runs with the hare and hunts with the hounds.

- (1) praises both sides
- (2) supports both sides
- (3) supports the wrong side and fights with the right
- (4) supports the right and fights the wrong

Q.14. Jaya is a good choice. She is diffident and is unlikely to make waves.

- (1) create problems
- (2) bring changes in a situation
- (3) make mistakes
- (4) bring losses

Q.15. Listen students! If you do not clean this mess up, the hostel warden will read you the riot act.

- (1) give a suspension order
- (2) take severe action for some wrong thing
- (3) give a severe scolding
- (4) give a severe beating

Direction (Q.16-20): In these questions, a part of sentence has errors and the other parts have none. Find out which part has error.

Q.16. The clothes/ were nearly/ hanged/ on the cloth line.
(1) (2) (3) (4)

Q.17. Mr. Gupta, the science teacher/ told the principal/ that the behaviour of the class/ were
(1) (2) (3)
highly objectionable.
(4)

Q.18. I never have/ visited/ or intend to visit/ foreign countries.
(1) (2) (3) (4)

Q.19. In this way nuclear fission/ or the splitting/ of the atom/ have been achieved.
(1) (2) (3) (4)

Q.20. It was a great honour/ and privilege to witness/ the high level meeting between/ Chinese
(1) (2) (3)
and India's leaders.
(4)

Direction (Q.21-25): In these questions three words are given which have more or less similar meaning. Out of the four given alternatives, choose the one which also conveys nearly the same meaning as the three words given in the question.

Q.21. Yield, Relent, Defer

- (1) Succeed
- (2) Combine
- (3) Succumb
- (4) Create

Q.22. Bribe, Inducement, Carrot

- (1) Sweetener
- (2) Saltiness

- (3) Sombre
- (4) Almond

Q.23. Series, Sequence, Chain

- (1) Cage
- (2) String
- (3) Field
- (4) Style

Q.24. General, Common, Ordinary

- (1) Universal
- (2) Mail
- (3) Frame
- (4) Doubt

Q.25. Encourage, Urge, Cheer

- (1) Result
- (2) Hearten
- (3) Bravery
- (4) Oppose

Direction (Q.26-30): Out of the given four alternatives choose the word opposite in meaning to the given word

Q.26. ILLIMITABLE

- (1) Boundless
- (2) Infinite
- (3) Unbounded
- (4) Finite

Q.27. IGNOMINIOUS

- (1) Disgraceful
- (2) Honourable
- (3) Shameful
- (4) Abash

Q.28. FRAIL

- (1) Furious
- (2) Stout
- (3) Strong
- (4) Rough

Q. 29. ACQUITTAL

- (1) Warrant
- (2) Condemnation
- (3) Punishment
- (4) Castigation

Q. 30. OBSTRACISE

- (1) Amuse
- (2) Welcome
- (3) Entertain
- (4) Host

Direction (Q.31-35): Fill in the blanks with the right word from the options given below.

Q.31. We chose to _____ our views in the light of the new information made available to us.

- (1) disclose
- (2) revive
- (3) diagnose
- (4) revise

Q.32. His approach to work is so _____ that none of his colleagues considers him dependable.

- (1) uninteresting
- (2) low
- (3) casual
- (4) common

Q.33. Having been set _____ he is now free to go anywhere he likes.

- (1) at liberty
- (2) freedom
- (3) at freedom
- (4) liberty

Q. 34 Seeing the pictures of our old home made me feel _____ and nostalgic.

- (1) fastidious
- (2) conciliatory
- (3) indignant
- (4) wistful

Q. 35. The _____ effect of suitably chosen films on children's minds can not be overestimated.

- (1) educational
- (2) debilitating
- (3) baneful
- (4) educative

Direction (Q.36-40): In these questions, out of the alternatives choose the one which can be substituted for the given sentence.

Q. 36. A hater of learning and knowledge.

- (1) Illiterate
- (2) Bibliophilic
- (3) Misologist
- (4) Misogynist

Q.37. A place where birds are kept.

- (1) Aviary
- (2) House
- (3) Aquarium
- (4) Apiary

Q. 38. The study of animal behaviour.

- (1) Ethnology
- (2) Ethology
- (3) Etymology
- (4) Entomology

Q.39. Killing of one's own sister.

- (1) Murder
- (2) Soricide
- (3) Fratricide
- (4) Genocide

Q.40 The state of being unmarried

- (1) Unmarried
- (2) Celibacy
- (3) Lonely
- (4) Aloofness

Quantitative Aptitude

Q.1 A rope of length 396 cm is cut into three equal pieces and each piece is used to make a circle, an equilateral triangle and a square. Which shape has the largest area?

- (1) Square (2) Equilateral triangle (3) Circle (4) All have equal area

Q.2. On a chessboard, the total number of squares is

- (1) 64 (2) 168 (3) 204 (4) 240

Q.3 20 women can do a work in 16 days. 16 men can complete the same work in 15 days. The ratio between the capacity of a man and a woman will be

- (1) 5 : 6 (2) 2 : 7 (3) 4 : 3 (4) 7 : 8

Q.4. Solve the following equations in x and y

$$(a - b)x + (a + b)y = a^2 - 2ab - b^2$$
$$(a + b)(x + y) = a^2 + b^2$$

- (1) $x = a + b, y = \frac{-2ab}{a+b}$ (2) $x = a - b, y = \frac{-2ab}{a+b}$
- (3) $x = a + b, y = \frac{-2ab}{a-b}$ (4) $x = a - b, y = \frac{-2ab}{a-b}$

Q.5. Find the roots of the quadratic equation $\frac{1}{x+1} + \frac{2}{x+2} = \frac{4}{x+4}$, $x \neq -1, -2, -4$

- (1) $\pm \sqrt{3}$
(2) $(1 \pm \sqrt{3})$
(3) $2(1 \pm \sqrt{3})$
(4) $3(1 \pm \sqrt{3})$

Q.6 $2X2Y56$ is divisible by 8 and 11. How many values can Y take?

- (1) 4 (2) 3 (3) 2 (4) 1

Q. 7 The product of two numbers is 12960 and their highest common factor (HCF) is 36. How many pairs of such numbers can be formed?

- (1) 4 (2) 3 (3) 2 (4) 1

Q. 8 What fraction must be subtracted from the sum of $\frac{1}{4}$ and $\frac{1}{6}$ to have an average of $\frac{1}{12}$ of all the two fractions?

- (1) $\frac{1}{2}$
- (2) $\frac{1}{3}$
- (3) $\frac{1}{4}$
- (4) $\frac{1}{8}$

Q.9 The average of first 25 multiples of 3 is

- (1) 26
- (2) 32.5
- (3) 39
- (4) 45.5

Q. 10. A man sold two watches for Rs. 1000 each. On one he gains 25% and on the other, 20% loss. In the whole transaction, the gain percentage is

- (1) 5%
- (2) $\frac{150}{41}\%$
- (3) $\frac{100}{41}\%$
- (4) $\frac{50}{41}\%$

Q. 11. Four gallons are drawn from a cask full of wine. It is then filled with water. Four gallons of mixture are again drawn and the cask is again filled with water. The quantity of wine now left to that of water in it is 36 : 13. How much does the cask hold?

- (1) 20 gallons
- (2) 25 gallons
- (3) 28 gallons
- (4) 30 gallons

Q. 12. In a parallelogram, the lengths of adjacent sides are 11 m and 13 m respectively. If the length of one diagonal is 16 m, then the length of the other diagonal is

- (1) 16 m
- (2) 17 m
- (3) 18 m
- (4) 14 m

Q.13. A mixture contains milk and water in the ratio 8 : x. When 33 litres of the mixture and 3 litres of water are mixed, the ratio of milk and water becomes 2 : 1. The value of x is

- (1) 4
- (2) 3
- (3) 2
- (4) 1

Q. 14. Find the ratio of third proportional to 16 and 24 and mean proportional to 24 and 54.

- (1) 1 : 1
- (2) 1 : 2
- (3) 1 : 3
- (4) 1 : 4

Q.15. A man walks a certain distance and rides back in $\frac{25}{4}$ hours. He can walk both ways in $\frac{31}{4}$ hours. How long it would take to ride both ways?

- (1) 5 hours
- (2) 4.5 hours
- (3) 4.75 hours
- (4) 6 hours

Q. 16. The sum of the series $1 + \frac{1}{1+2} + \frac{1}{1+2+3} + \dots + \frac{1}{1+2+3+\dots+n}$ up to n terms is equal to

- (1) $\frac{2n}{n+1}$ (2) $\frac{3n}{2n+1}$ (3) $\frac{4n}{3n+1}$ (4) $\frac{n}{n+1}$

Q.17. If $x + 2y = 5$, where x and y are positive integers, then the maximum value of xy is

- (1) 2 (2) 3 (3) 4 (4) 5

Q.18. The minimum value of the expression $|x| + |x + 0.5| + |x - 3| + |x + 2.5|$ is

- (1) 0 (2) 2 (3) 4 (4) 6

Q.19. A sum was put at simple interest at a certain rate for 4 years. Had it been put at 2% higher rate, it would have fetched Rs. 56 more. The sum is

- (1) Rs. 500 (2) Rs. 600 (3) Rs. 700 (4) Rs. 800

Q.20. In what time will Rs. 64000 invested at 5% per annum fetch an interest of Rs. 4921, the interest being compounded half yearly?

- (1) 1 year (2) 1.5 years (3) 2 years (4) 2.25 years

Q.21. The rate of interest in two banks P and Q are in the ratio of 3 : 4. If a person invested some amount in both the banks and received equal amounts from both the banks in 2 years, the ratio of the amount invested in P and Q respectively is

- (1) 9 : 16 (2) 16 : 9 (3) $\sqrt{3} : 2$ (4) 4 : 3

Q. 22. A tree increases annually by $\frac{1}{5}$ th of its height. If its height today is 50 cm, then what will be its height after 2 years?

- (1) 64 cm (2) 66 cm (3) 72 cm (4) 84 cm

Q. 23. In a class, 25% of the students were absent for a test, 35% failed by 20 marks and 10% just passed. If the remaining students scored an average of 50 marks and the pass marks is 35, then the average score of the class is

- (1) 38 (2) 36 (3) 35 (4) 34

Q. 24. The number of factors of 5200 is

- (1) 25 (2) 27 (3) 28 (4) 30

Q. 25. For what value of k , the system of equations $(k - 3)x + 3y = k$; $kx + ky = 12$ has infinitely many solutions?

- (1) 6 (2) 8 (3) 10 (4) 12

LOGICAL REASONING

Q. 1 If "CHENNAI" is coded as "EAEAEAEA" in a certain language, then how is "COIMBATORE" coded in the same language?

(1) ARIARI

(2) RRIIAA

(3) IARIAR

(4) IARARI

Q. 2. According to a certain code

(A) 'pre nat bis' means 'smoking is harmful'

(B) 'vog dor nat' means 'avoid harmful habit'

(C) 'dor bis yel' means 'please avoid smoking'

Which of the following means 'habit' in that language?

(1) nat

(2) vog

(3) dor

(4) bis

Q. 3 If DELHI is coded as CCIDD, then what is the code for BOMBAY?

(1) AJMTVT

(2) AMJXVS

(3) MJXVSU

(4) WXYZAX

Q. 4 Naresh told Hem, "Though I am the son of your father, you are not my brother". How is Naresh related to Hem?

(1) Brother

(2) Sister

(3) Nephew

(4) Niece

Q.5. Given that

I. A is the mother of B.

II. C is the son of A.

III. D is the brother of E.

IV. E is the daughter of B.

The grandmother of D is

- (1) A
- (2) B
- (3) C
- (4) E

Q. 6. Pointing to an image on her cell phone, my mother said, 'This lady's husband is your mother's son.' If I do not have a brother, then how is the lady related to me?

- (1) Wife
- (2) Husband
- (3) Nephew
- (4) Niece

Direction (Q. 7 to 9)

Read the following information carefully and answer the questions given below.

Seven persons A, B, C, D, E, S and R are sitting around a circle facing the centre. C is third to the right of S, who is second to the right of A. E is second to the left of B, who is second to the left of R. S is sitting between D and R.

Q. 7. Who is to the immediate left of C?

- (1) E
- (2) D
- (3) C
- (4) S

Q.8. Who is sitting between E and S?

- (1) A
- (2) D
- (3) B
- (4) C

Q.9. Who is the third to the left of E?

- (1) A
- (2) B
- (3) R
- (4) C

Direction (Q.10 to 13)

In each question below are given two statements followed by two conclusions numbered I and II. You have to take the given two statements to be true even if they seem to be at variance from commonly known facts. Read the conclusions and then decide which of the given conclusions logically follows from the two given statements, disregarding commonly known facts. Give your answer as follows:

- (1) If only conclusion I follows.
- (2) If only conclusion II follows.
- (3) If neither I nor II follows.
- (4) If both I and II follow.

Q.10. Statements : Some swords are sharp.
 All swords are rusty.
Conclusions: I. Some rusty things are sharp.
 II. Some rusty things are not sharp.

Q.11. Statements : Some teachers are fools.
 Some fools are rich.
Conclusions: I. Some teachers are rich.
 II. Some rich are teachers.

Q.12. Statements : No gentleman is poor.
 All gentleman are rich.
Conclusions: I. No poor man is rich.
 II. No rich man is poor.

Q.13. Statements : Jaya is always successful.
 No fool is always successful.
Conclusions: I. Jaya is a fool.
 II. Jaya is not a fool.

Q.14. Complete the given series by finding the missing term.
3, 10, 29, 66, 127, ?

- (1) 164
- (2) 187
- (3) 216
- (4) 218

Q.15. In the series 1, 3, 10, 21, 64, 129, 356, 777 one of the term is wrong. Find out the wrong term.

- (1) 21
- (2) 129
- (3) 10
- (4) 356

Q.16 Answer the question which is based on the set of numbers given below:

738

429

156

273

894

Which of the following will be the last digit of the second highest number after the positions of the digits in each number is reversed?

(1) 2

(2) 7

(3) 4

(4) 8

Direction (Q.17 to 20)

Read the following information carefully and answer the questions given below it.

Hem walks 2 km towards north and turns to his right and walks 4 km more. He then turns to his right and walks 4 km and turns again to his right and walks another 4 km. Here he meets Sandhya coming from opposite direction. They both stop here.

Q.17. After taking the first turn, in what direction Hem was going?

(1) South

(2) North

(3) West

(4) East

Q.18. What is the distance from the starting point to the finishing point?

(1) 10 km

(2) 8 km

(3) 6 km

(4) 2 km

Q.19. From which direction Sandhya was coming?

(1) South

(2) North

(3) East

(4) West

Q.20. After taking the second turn, in which direction Hem will be walking?

(1) South

(2) North

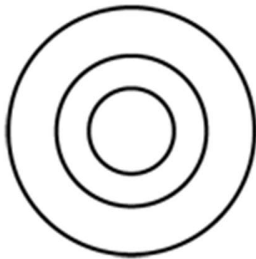
(3) East

(4) West

Direction :(Q. 21 to 25)

Each of these questions below contain three groups of things. You have to choose from the following four diagrams, the one that depicts the correct relationship among the three groups of things in each question.

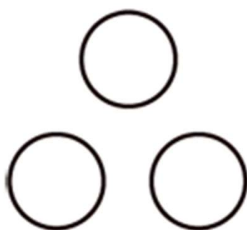
(1) .



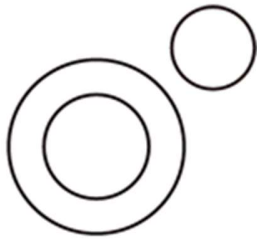
(2) .



(3) .



(4)



Q. 21. Metal, Iron, Chlorine

Q. 22. Intelligence, Anxiety, Strength

Q. 23. Polygon, Rectangle, Square

Q. 24. Parents, Mother, Father

Q. 25. Legumes, Grams, Beans

Answer Keys:

Q.No.	Section Name	Answer Key
Q1	VERBAL COMPREHENSION	3
Q2	VERBAL COMPREHENSION	4
Q3	VERBAL COMPREHENSION	2
Q4	VERBAL COMPREHENSION	2
Q5	VERBAL COMPREHENSION	4
Q6	VERBAL COMPREHENSION	4
Q7	VERBAL COMPREHENSION	4
Q8	VERBAL COMPREHENSION	4
Q9	VERBAL COMPREHENSION	3
Q10	VERBAL COMPREHENSION	2
Q11	VERBAL COMPREHENSION	2
Q12	VERBAL COMPREHENSION	3
Q13	VERBAL COMPREHENSION	2
Q14	VERBAL COMPREHENSION	1
Q15	VERBAL COMPREHENSION	3
Q16	VERBAL COMPREHENSION	3
Q17	VERBAL COMPREHENSION	4
Q18	VERBAL COMPREHENSION	3
Q19	VERBAL COMPREHENSION	4
Q20	VERBAL COMPREHENSION	4
Q21	VERBAL COMPREHENSION	3
Q22	VERBAL COMPREHENSION	1
Q23	VERBAL COMPREHENSION	2
Q24	VERBAL COMPREHENSION	1
Q25	VERBAL COMPREHENSION	2
Q26	VERBAL COMPREHENSION	4
Q27	VERBAL COMPREHENSION	2
Q28	VERBAL COMPREHENSION	3
Q29	VERBAL COMPREHENSION	3
Q30	VERBAL COMPREHENSION	2
Q31	VERBAL COMPREHENSION	4
Q32	VERBAL COMPREHENSION	3
Q33	VERBAL COMPREHENSION	1
Q34	VERBAL COMPREHENSION	4
Q35	VERBAL COMPREHENSION	4
Q36	VERBAL COMPREHENSION	3
Q37	VERBAL COMPREHENSION	1
Q38	VERBAL COMPREHENSION	2

Q39	VERBAL COMPREHENSION	2
Q40	VERBAL COMPREHENSION	2
Q1	QUANTITATIVE APTITUDE	3
Q2	QUANTITATIVE APTITUDE	3
Q3	QUANTITATIVE APTITUDE	3
Q4	QUANTITATIVE APTITUDE	1
Q5	QUANTITATIVE APTITUDE	3
Q6	QUANTITATIVE APTITUDE	1
Q7	QUANTITATIVE APTITUDE	3
Q8	QUANTITATIVE APTITUDE	3
Q9	QUANTITATIVE APTITUDE	3
Q10	QUANTITATIVE APTITUDE	3
Q11	QUANTITATIVE APTITUDE	3
Q12	QUANTITATIVE APTITUDE	3
Q13	QUANTITATIVE APTITUDE	2
Q14	QUANTITATIVE APTITUDE	1
Q15	QUANTITATIVE APTITUDE	3
Q16	QUANTITATIVE APTITUDE	1
Q17	QUANTITATIVE APTITUDE	1
Q18	QUANTITATIVE APTITUDE	4
Q19	QUANTITATIVE APTITUDE	3
Q20	QUANTITATIVE APTITUDE	2
Q21	QUANTITATIVE APTITUDE	4
Q22	QUANTITATIVE APTITUDE	3
Q23	QUANTITATIVE APTITUDE	4
Q24	QUANTITATIVE APTITUDE	4
Q25	QUANTITATIVE APTITUDE	1
Q1	LOGICAL REASONING	3
Q2	LOGICAL REASONING	2
Q3	LOGICAL REASONING	2
Q4	LOGICAL REASONING	1
Q5	LOGICAL REASONING	1
Q6	LOGICAL REASONING	1
Q7	LOGICAL REASONING	1
Q8	LOGICAL REASONING	2
Q9	LOGICAL REASONING	3
Q10	LOGICAL REASONING	1
Q11	LOGICAL REASONING	3
Q12	LOGICAL REASONING	3
Q13	LOGICAL REASONING	2
Q14	LOGICAL REASONING	4

Q15	LOGICAL REASONING	4
Q16	LOGICAL REASONING	2
Q17	LOGICAL REASONING	4
Q18	LOGICAL REASONING	4
Q19	LOGICAL REASONING	4
Q20	LOGICAL REASONING	1
Q21	LOGICAL REASONING	4
Q22	LOGICAL REASONING	3
Q23	LOGICAL REASONING	1
Q24	LOGICAL REASONING	2
Q25	LOGICAL REASONING	2