

Directions (1-3): Some parts of the sentences have error and some are correct. Find out which part of a sentence has an error.

Q1. If I am you I would not have behaved like that.

- (a) If I am you (b) I would not have behaved
(c) like that. (d) No error

Q2. You may not realize it but the weather in Barbados during Christmas is like New York in June.

- (a) You may not realize it (b) but the weather in Barbados during Christmas
(c) is like New York in June. (d) No error

Q3. With some men their mass of wealth together with their social influence are an excuse for their wrong doings.

- (a) With some men
(b) their mass of wealth together with their social influence
(c) are an excuse for their wrong doings.
(d) No error

Directions (4-5): In the following questions, a word/phrase is given followed by four alternatives. Select the alternative that conveys the same meaning as the word/phrase given.

Q4. Heresy

- (a) despotic
(b) historical records
(c) an opinion held in opposition to the traditional view
(d) coward

Q5. Erratic

- (a) irresponsible, eccentric; lacking a fixed purpose erratic behaviour
(b) display or wave boastfully
(c) relating to the countryside
(d) dry; barren

Directions (6-7): Choose the option which is the antonym of the word mentioned.

Q6. Amnesty

- (a) Loyalty (b) Punishment
(c) Depth (d) Dearth

Q7. Scanty

- (a) Ample (b) Sample
(c) Adore (d) Afore

Directions (8-9): In the following questions, select the correctly spelt word from the four alternatives.

Q8.

- (a) amanity (b) embarasemet
(c) aplaused (d) emanate

Q9.

- (a) frencied (b) disgorging
(c) gorgeaus (d) extreordinary

Directions (10-11): In each question, a part of the sentence is printed in bold. Below each sentence, some phrases are given which can substitute the bold part of the sentence. Find out the phrase which can correctly substitute that part of the sentence. If the sentence is correct as it is, the answer is 'No correction required' or 'No improvement'.

Q10. The poor villagers have waited in the bitter cold for more than four hours now.

- (a) has been waiting (b) had waited
(c) have been waiting (d) No improvement

Q11. As John dived off the springboard, he was horrified to see that the water was drained from the pool the night before.

- (a) was drained away (b) was drained
(c) had been drained off (d) No improvement

Directions (12-14): In the following questions, a sentence has been given with a blank in it, out of the given options, choose the most appropriate answer.

Q12. What ----- has the new administration's policies had on investor confidence?

- (a) effect (b) affect
(c) affecting (d) None of these

Q13. A feeling of one's worth is one of the ----- goals of psychological therapy.

- (a) principle (b) principal
(c) priority (d) None of these

Q14. There's no sense ----- carrying on that way.

- (a) in (b) of
(c) off (d) None of these

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Directions (15-17): An idiom and four possible meanings are given. Identify the meaning of the idiom from among the answer choices and mark its number as your answer.

Q15. Set tongues wagging

- (a) be easy to pronounce
- (b) encourage gossip
- (c) to be curious
- (d) wait eagerly

Q16. Work like a Trojan

- (a) face difficulties
- (b) take trouble
- (c) to imitate
- (d) work very hard

Q17. A nail in someone's coffin

- (a) something bad that contributes towards someone's failure
- (b) something irrelevant to the subject
- (c) to make money unfairly
- (d) to make someone feel uncomfortable or embarrassed

Directions (18-20): In these questions, out of the four alternatives choose the one which can be substituted for the given words/sentence.

Q18. One who writes dictionaries.

- (a) Interpreter
- (b) Lexicographer
- (c) Philologist
- (d) Composer

Q19. One who writes with both his hands

- (a) Amphibious
- (b) Ambiguous
- (c) Ambidextrous
- (d) Ambivert

Q20. Murder of one's father

- (a) Matricide
- (b) Patriarchal
- (c) Slaughter
- (d) Patricide

Directions (21-25): You have a brief passage with 5 questions. Read the passage carefully and choose the best answer to each question out of the four alternatives.

Although speech is the most advanced form of communication, there are many ways of communicating without using speech. Signals, signs, symbols and gestures may be found in every known culture. The basic function of a signal is to impinge upon the environment in such a way that it attracts attention, as, for example, the dots and dashes of a telegraph circuit. Coded to refer to speech, the potential for communication is very great. Less adaptable to the codification of words, signs also contain meaning in and of themselves. A stop sign, for example, conveys meaning quickly and conveniently. Symbols are more difficult to describe than either signals or signs because of their intricate relationship with the receiver's cultural perceptions. In some cultures, applauding in a

theatre provides performers with an auditory symbol of approval. Gestures such as waving and handshaking also communicate certain cultural messages.

Although signals, signs, symbols and gestures are very useful, they do have a major disadvantage. They usually do not allow ideas to be shared without the sender being directly adjacent to the receiver. As a result, means of communication intended to be used for long distances and extended periods are based upon speech. Radio, television and the telephone are only a few of such means.

Q21. According to the passage, what is signal?

- (a) A form of communication used across long distances.
- (b) The cultural perception of communication.
- (c) A type of communication that interrupts the environment.
- (d) A complicated form of communication to describe.

Q22. Choose the correct statement–

- (a) Speech is the most advanced form of communication.
- (b) Speech is the only form of communication.
- (c) Speech is the basis for communication to occur.
- (d) Speech is dependent upon the advances made by inventors.

Q23. Choose the most appropriate title for the passage.

- (a) Signs and signals
- (b) Gestural communication
- (c) Speech variations
- (d) Means of communication

Q24. Why were the telephone, radio and TV invented?

- (a) To provide new forms of entertainment.
- (b) It was believed that signs, signals and symbols were obsolete.
- (c) It was difficult to understand symbols.
- (d) People wanted to communicate across long distances.

Q25. This passage explains that.....

- (a) Symbols are the easiest to interpret.
- (b) Signals, signs, symbols and gestures are forms of communication.
- (c) Significance of waving and handshaking is different in different cultures.
- (d) Different cultures have different signs and symbols.

Directions (26): In this question, there is some relationship between the two terms of the left of :: and the same relationship holds between the two terms to its right. Also, in each question, one term either to the right of :: or to the left of it is missing. This term is given as one of the alternatives given below each question. Find out this term.

Q26. Dda : aDD :: Rrb : ?

- (a) BBr
- (b) bRR
- (c) RRR
- (d) BrR

Q27. In a certain code, '467' means 'leaves are green', '485' means 'green is good' and '639' means 'they are playing'. Which digit stands for 'leaves' in that code?

- (a) 4 (b) 6
(c) 7 (d) 3

Directions (28): Study the number series given below and answer the questions that follow:

7 8 9 7 6 5 3 4 2 8 9 7 2 4 5 9 2 9 7 6 4 7

Q28. How many 7s are preceded by 9 and also followed by 6?

- (a) 2 (b) 3
(c) 4 (d) 5

Directions (29-30): In each of the following questions, a number series is given with one term missing. Choose the correct alternative that will continue the same pattern and replace the question mark in the given series:

Q29. 6, 13, 28, 59, ?

- (a) 111 (b) 113
(c) 114 (d) 122

Q30. 1, 5, 14, 30, 55, 91, ?

- (a) 130 (b) 140
(c) 150 (d) 160

Q31. If A = 26, E = 22, then WAIT = ?

- (a) 50 (b) 32
(c) 55 (d) 30

Q32. In this letter series, some of the letters are missing which are given in that order as one of the alternatives below it. Choose the correct alternative.

aa _ abbb _ ccccd _ ddcc _ bb _ ba

- (a) abcda (b) abdbc
(c) abdc b (d) abcad

Q33. In a certain code, the words COME AT ONCE were written as XLNVZGLMXV. In the same code, which of the following would code OK?

- (a) KL (b) LM
(c) KM (d) LP

Q34. If > denotes +, < denotes -, + denotes ÷, - denotes =, = denotes 'less than' and × denotes 'greater than', find which of the following is a correct statement.

- (a) $3 + 2 > 4 = 9 + 3 < 2$ (b) $3 > 2 > 4 = 18 + 3 < 1$
(c) $3 > 2 < 4 \times 8 + 4 < 2$ (d) $3 + 2 < 4 \times 9 + 3 < 3$

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Q35. In this question, four pairs of words are given, out of which the words in three pairs bear a certain common relationship. Choose the pair in which the words are differently related.

- (a) Jupiter : Planet
- (b) Musician : Artist
- (c) Merchant : Business
- (d) Maize : Cereal

Directions (36): In this question, a word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in the two given matrices. The columns and rows of Matrix I are numbered from 0 to 4 and those of Matrix II from 5 to 9. A letter from these matrices can be represented first by its row and then the column number e.g. M can be represented by 14, 21 etc; Similarly, you have to identify the correct set for the word.

Matrix I

	0	1	2	3	4
0	F	O	M	S	R
1	S	R	F	O	M
2	O	M	S	R	F
3	R	F	O	M	S
4	M	S	R	F	O

Matrix II

	5	6	7	8	9
5	A	T	D	I	P
6	I	P	A	T	D
7	T	D	I	P	A
8	P	A	T	D	I
9	D	I	P	A	T

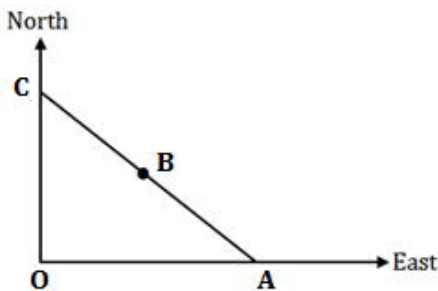
Q36. SODA

- (a) 10, 32, 76, 98
- (b) 41, 68, 01, 77
- (c) 22, 75, 32, 86
- (d) 33, 99, 42, 59

Q37. In a row of boys, A is thirteenth from the left and D is seventeenth from the right. If in this row A is eleventh from the right then what is the position of D from the left?

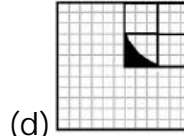
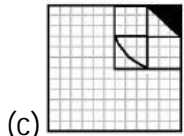
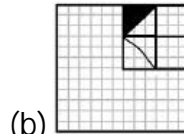
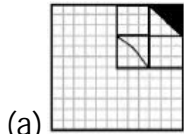
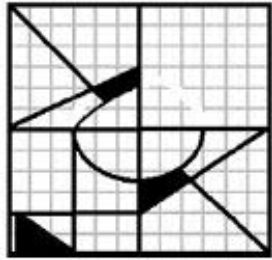
- (a) 6th
- (b) 7th
- (c) 10th
- (d) 12th

Q38. In the given figure, A is 12 km eastward of O and C is 9 km north of O. B is exactly in the middle of C and A. The distance between B and C is



- (a) 7 km
- (b) $7\sqrt{2}$ km
- (c) 7.5 km
- (d) 6.5 km

Q39. which answer figure will complete the pattern in the question figure?



Q40. From the given alternative words, select the word which can be formed using the letters of the given word: COMMUNICATION

- (a) AMMUNITION
- (c) COUNTRY

- (b) MONITOR
- (d) UNIFICATION

Q41. Consider the given statement/s to be true and decide which of the given conclusions / assumptions can definitely be drawn from the given statement.

Statements:

- 1. Some managers are young.
- 2. All boys are young.

Conclusions:

- I. Some boys are managers.
- II. Some managers are boys.

- (a) Only conclusion I follows
- (b) Only conclusion II follows
- (c) Neither conclusion I nor conclusion II follows
- (d) Both conclusion I and conclusion II follow

Q42. Z is shorter than Y but taller than X. W is shorter than Z but taller than X and V is shorter than Y but taller than Z. The shortest person is?

- (a) Z
- (b) X
- (c) V
- (d) W

Q43. If in a certain code, GLAMOUR is written as IJCNMWP and MISRULE is written as OGUSSNC, then how will TOPICAL be written in the code?

- (a) VMRJECN
- (b) VMRHACJ
- (c) VMRJACJ
- (d) VNRJABJ

Q44. Find the wrong number in the series from among the alternatives?

3, 8, 15, 24, 34, 48, 63

- (a) 25
- (b) 34
- (c) 48
- (d) 8

Q45. In this question, arrange the given words in a meaningful sequence and then choose the most appropriate sequence from amongst the alternatives.



- | | | |
|-------------------|-------------------|----------------|
| 1. Study | 2. Job | 3. Examination |
| 4. Earn | 5. Apply | |
| (a) 1, 3, 5, 2, 4 | (b) 1, 2, 3, 4, 5 | |
| (c) 1, 3, 2, 5, 4 | (d) 1, 3, 5, 4, 2 | |

Q46. Introducing a man, a woman said, "His wife is the only daughter of my father". How is that man related to the woman?

- | | |
|--------------------|-------------------|
| (a) Brother | (b) Father-in-law |
| (c) Maternal uncle | (d) Husband |

Q47. Find the odd number pair from the given alternatives.

- | | |
|-----------|-----------|
| (a) 17-28 | (b) 28-37 |
| (c) 39-48 | (d) 83-92 |

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Directions (48-49): In this question, some groups of letters are given, all of which, except one, share a common similarity while one is different. Choose the odd one out.

Q48.

- | | |
|---------|---------|
| (a) ACE | (b) PRT |
| (c) UWY | (d) MOP |

Q49.

- | | |
|---------|---------|
| (a) BDW | (b) DFU |
| (c) FHS | (d) GIQ |

Q50. From the word 'LAPAROSCOPY' how many independent meaningful words can be made without changing the order of the letters and using each letter only once?

- | | |
|-------|-------|
| (a) 1 | (b) 2 |
| (c) 3 | (d) 4 |

Q51. India constitution has borrowed its provisions of Fundamental duties from which of the followings?

- | | |
|----------|-------------------|
| (a) USA | (b) Australia |
| (c) USSR | (d) None of these |

Q52. Annual financial statement is mentioned in which part of the constitution?

- | | |
|------------|--------------|
| (a) PART I | (b) PART II |
| (c) PART V | (d) PART III |

Q53. Which article of the constitution provides for Equality of opportunity in matters of public employment?

- (a) ARTICLE 16 (b) ARTICLE 17
(c) ARTICLE 18 (d) ARTICLE 19

Q54. Which of the following is also called the book of sacrificial prayers?

- (a) Samaveda (b) Atharvaveda
(c) Rigveda (d) Yajurveda

Q55. Which of the following books serves as a source for the Mauryan period?

- (a) Historica (b) Indica
(c) Suttapitaka (d) Jain Purvas

Q56. Who was the First Muslim Invader of India?

- (a) Mohamamd Bin Qasim (b) Mahmud Ghaznavi
(c) Mohammad Ghori (d) None of These

Q57. Who Build Diwan-i-Aam?

- (a) Aurangzeb (b) Shahjahan
(c) Akbar (d) Humayun

Q58. Diwan-i-arz is a Department of?

- (a) Military department (b) Religious and foreign matter
(c) Collecting taxes and maintaining accounts (d) None of These

Q59. Who founded Amrit Bazar Patrika?

- (a) S. Ramaswami Mudaliar (b) G.V. Joshi
(c) M.G. Ranade (d) Sisir Kumar Ghose

Q60. Who wrote a book describing the theory of economic drain of India during British rule?

- (a) Lala Lajpat Rai (b) Mahatma Gandhi
(c) J.L. Nehru (d) Dadabhai Naoroji

Q61. The phenomenon known as green revolution began to manifest during?

- (a) 2nd Plan (b) 3rd Plan
(c) Holiday Plan (1966-69) (d) 4th Plan

Q62. NABARD was established in the?

- (a) Fourth Five Year Plan (b) Fifth Five Year Plan
(c) Sixth Five Year Plan (d) Eighth Five Year Plan

Q63. Money market refers to?

- (a) Short term Lending /Borrowing (b) Long term Lending /Borrowing
(c) Deals with Treasury Bill (d) None of these

Q64. Open market operation of RBI refers to?

- (a) Buying and selling of shares (b) Auctioning of foreign exchange
(c) Trading of Government Securities (d) Transaction in gold

Q65. Sun works on the phenomenon of?

- (a) Nuclear fusion (b) Nuclear fission
(c) Thermoactivity (d) None of these

Q66. Which of the following is the smallest planet?

- (a) Mars (b) Mercury
(c) Venus (d) None of these

Q67. Which of the following rivers make Arcuate delta?

- (a) Tapi (b) Ganga
(c) Amazon (d) None of these

Q68. The tributary of Indus which does not flow through Pakistan is?

- (a) Ravi (b) Beas
(c) Sutlej (d) Chenab

Q69. Where is the Nanda Devi peak located ?

- (a) Himachal Pradesh (b) Uttarakhand
(c) Sikkim (d) Nepal

Q70. The Tibetan river 'Tsangpo' enters India through the state of?

- (a) Arunachal Pradesh (b) Assam
(c) Manipur (d) Nagaland

Q71. Protein give a yellow reaction with?

- (a) Tartaric Acid (b) Citric Acid
(c) Nitric Acid (d) Acetic Acid

Q72. Which of the following can be used as anesthetic?

- (a) Chlorine (b) Nitrous Oxide
(c) Helium (d) Carbon Dioxide

Q73. Plague is a ?

- (a) Bacterial Disease (b) Viral Disease
(c) Mineral Deficiency Disease (d) Fungal Disease

Q74. Histology is the study of which part of human body?

- (a) Genes (b) Blood
(c) Tissue (d) Cells

Q75. Which vitamin is associated with clotting of blood?

- (a) Vitamin A (b) Vitamin B
(c) Vitamin C (d) Vitamin K

Q76. Two trains are running on a parallel line in the same direction at a speed of 50 km/h and 30 km/h respectively. Given that the faster train crosses a man in the slower train in 18 s, what is the length of the faster train?

- (a) 170 m (b) 100 m
(c) 98 m (d) 85 m

Q77. Two trains have respective lengths as 230 m and 190 m. They cross each other completely in 42 s, if they are travelling in the opposite direction and in 84 s, if they are travelling in the same direction. Find the ratio of the speed of the two trains.

- (a) 3 : 1 (b) 4 : 1
(c) 3 : 2 (d) None of these

Q78. Four bells toll at intervals of 14, 21 and 42 minutes respectively. If they toll together at 11:22 am, when will they toll together for the first time after that?

- (a) 11:56 am (b) 12:04 pm
(c) 12:06 pm (d) 11:48 am

Q79. What is the unit digit of $576847 \times 564068 \times 96467 \times 458576$?

- (a) 2 (b) 4
(c) 6 (d) 8

Q80. What is the unit digit of $1! + 2! + 3! + \dots + 99! + 100!$?

- (a) 3 (b) 1
(c) 5 (d) 6

Q81. If the price of the sugar is increased by 20%, one can buy 2 kg less sugar in Rs. 50. What is the quantity of sugar that could be bought before the price hike?

- (a) 10 (b) 8
(c) 16 (d) 12

Q82. Mr Amar spends 50% of his monthly income on household items and out of the remaining he spends 25% on travelling, 30% on entertainment, 15% on shopping and remaining amount of Rs. 900 is saved. What is Mr Amar's monthly income?

- (a) Rs. 6,000 (b) Rs. 12,000
(c) Rs. 9,000 (d) Cannot be determined

Q83. In a college election fought between two candidates, one candidate got 55% of the total valid votes. 15% of the votes were invalid. If the total votes were 15,200, what is the number of valid votes the other candidate got?

- (a) 7106 (b) 6840
(c) 8360 (d) 5814

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Q84. Sum of CP's of two cows is Rs. 13,000. Both the cows are sold at a profit of 20% and 40% respectively with their SP's being the same. What is the difference of CP's of both the cows?

- (a) Rs. 1,000 (b) Rs. 2,000
(c) Rs. 1,500 (d) Rs. 2,500

Q85. Let A be the area of a square inscribed in a circle of radius 'r' and let B be the area of a hexagon inscribed in the same circle. Then B/A equals:

- (a) $2\sqrt{3}$ (b) $\frac{3\sqrt{3}}{4}$
(c) $\frac{2\sqrt{3}}{4}$ (d) None of these

Q86. The ratio between diameter of a sphere and height of a cone is 1 : 2. If their volumes are same, Find the ratio between their radii.

- (a) 2 : 3 (b) 3 : 2
(c) 1 : 1 (d) 2 : 1

Q87. Water flows out through a circular pipe whose internal diameter is 2 cm, at the rate of 6 meters per second into a cylindrical tank, the radius of whose base is 60 cm. By how much will the level of water rise in 30 minutes?

- (a) 2 m (b) 3 m
(c) 4 m (d) 5 m

Q88. The radius of the base of conical tent is 6 m and height is 8 m. What is area of the canvas that is required for this tent.

- (a) $90\pi\text{ m}^2$ (b) $40\pi\text{ m}^2$
(c) $120\pi\text{ m}^2$ (d) $60\pi\text{ m}^2$

Q89. If the number $48327*8$ is divisible by 11, then the missing digit (*) is

- (a) 5 (b) 3
(c) 2 (d) 1

Q90. $\left(99\frac{1}{7} + 99\frac{2}{7} + 99\frac{3}{7} + 99\frac{4}{7} + 99\frac{5}{7} + 99\frac{6}{7}\right)$ is equal to

- (a) 603 (b) 600
(c) 598 (d) 597

Q91. The LCM of two numbers is 40 times their HCF. The sum of the LCM and HCF is 1,476. If one of the numbers is 288, find the other numbers?

- (a) 169 (b) 180
(c) 240 (d) 260

Q92. Shreya present age is $\frac{6}{5}$ times of her age at the time of her marriage and she got married 6 years ago. Age of her son is $\frac{1}{12}$ of her current age. Find the age of her son.

- (a) 2 yrs. (b) 5 yrs.
(c) 4 yrs. (d) 3 yrs.

Q93. 6 years ago, mother's age was 18 years more than the son's age. If the sum of their present ages is 30, what was the age of the mother 6 years back?

- (a) 32 years (b) 36 years
(c) 30 years (d) 18 years

Q94. A starts from a place P to go to a place Q. At the same time B starts from Q to P. If after meeting each other A and B took 4 and 9 hours more respectively to reach their destinations, the ratio of their speeds is

- (a) 3 : 2 (b) 5 : 2
(c) 9 : 4 (d) 9 : 13

Q95. If $\sec \theta = x + \frac{1}{4x}$ ($0^\circ < \theta < 90^\circ$), then $\sec \theta + \tan \theta$ is equal to

- (a) $\frac{x}{2}$ (b) $2x$
(c) x (d) $\frac{1}{2x}$

Q96. If $0 \leq \theta \leq 90^\circ$, then the value of $\frac{5 \cos \theta - 4}{3 - 5 \sin \theta} - \frac{3 + 5 \sin \theta}{4 + 5 \cos \theta}$ is

- (a) 0 (b) 1
(c) 2 (d) 4

Q97. Maximum value of $(2 \sin \theta + 3 \cos \theta)$ is

- (a) 2 (b) $\sqrt{13}$
(c) $\sqrt{15}$ (d) 1

Q98. If $x^3 + 3x^2 + 3x = 7$, then x is equal to

- (a) 2 (b) $\sqrt[3]{6}$
(c) 1 (d) -1

Q99. Three persons undertake to complete a piece of work for Rs. 1,200. The first person can complete the work in 8 days, second person in 12 days and third person in 16 days. They complete the work with the help of a fourth person in 3 days. What does the fourth person get?

- (a) Rs. 180 (b) Rs. 200
(c) Rs. 225 (d) Rs. 250

Q100. If A works alone, he would take 4 days more to complete the job than if both A and B worked together. If B worked alone, he would take 16 days more to complete the job than if A and B work together. How many days would they take to complete the work if both of them worked together?

- (a) 10 days (b) 12 days
(c) 6 days (d) 8 days

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