

TEST-I: General Intelligence & Reasoning

Directions (1-4) : In each of the following questions, select the related letter/word/figure/ number from the given alternatives.

- Yard : Inch :: Quart : ?
(A) Gallon (B) Ounce (C) Milk (D) Liquid
- Heat : Calorie :: Sound : ?
(A) Joule (B) Richter (C) Decibel (D) Knot
- GHJM : QRTW :: CDFI : ?
(A) NOPR (B) MNPS (C) XYZQ (D) GHJI
- 17 : 102 :: 23 : ?
(A) 112 (B) 216 (C) 138 (D) 413

Directions (5-7) : Find the odd word/letter/number from the given alternatives.

- (A) Optimism (B) Cynicism (C) Pessimism (D) Fatalism
- (A) IKMO (B) TVWY (C) ACEG (D) FHJL
- (A) 84, 67 (B) 112, 95 (C) 79, 63 (D) 167, 150
- Find the angle between the hour and the minute hand of a clock when the time is 3:25.
(A) $47\frac{1}{2}$ (B) $49\frac{1}{2}$ (C) $55\frac{1}{2}$ (D) $57\frac{1}{2}$
- In a big cube pair of opposite faces are coloured red, black and green respectively. After that it is cut into 64 small equal cubes, then how many small cubes are there whose 3 faces are coloured?
(A) 4 (B) 8 (C) 16 (D) 24
- On 8th Dec, 2007 Saturday falls. What day of the week was it on 8th Dec, 2006?
(A) Sunday (B) Thursday (C) Tuesday (D) Friday
- From the given alternative words, select the word which can be formed by using the letters of the given word.
MEASUREMENT
(A) MASTER (B) MANTLE (C) SUMMIT (D) ASSURE
- Arrange the following words as per the order in the dictionary:
1. Smoulder 2. Smother 3. Smuggle 4. Smudge
(A) 1, 2, 3, 4 (B) 2, 1, 4, 3 (C) 4, 3, 2, 1 (D) 1, 4, 3, 2
- From the given alternative words, select the word which cannot be formed using the letters of the given word.
GEOSTATIONARY
(A) STAR (B) GATE (C) STATE (D) DISTART

Directions (14-15): In the following questions, select the missing number from the given responses.

- | | | | | | |
|---|---|---|---|---|---|
| 1 | 4 | 4 | 1 | 5 | 6 |
| | 4 | | 3 | | ? |
| 4 | 7 | 1 | 3 | 6 | 8 |

(A) 2 (B) 3 (C) 5 (D) 7
- | | | | |
|------------------|-------------------|-------------------|------------------|
| $2 \times 3 = 8$ | $3 \times 4 = 15$ | $4 \times 5 = 24$ | $5 \times 6 = ?$ |
|------------------|-------------------|-------------------|------------------|

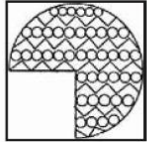
(A) 35 (B) 27 (C) 30 (D) 40
- If LACK is written as 396, then BACK will be written as ____
(A) 56 (B) 72 (C) 86 (D) 66
- Five students are standing one behind the other in the playground facing the instructor. Malini is behind Anjana, but in front of Gayathri. Meena is in front of Shena, but behind Gayathri. What is the position of Meena?
(A) Second from last (B) First (C) Second (D) Extreme last

Directions (18-19): In the following questions, a series is given with one (or more) term missing. Choose the correct alternative from the given ones that will complete the series:

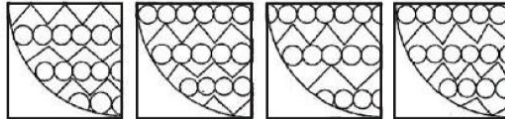
- EZ FY HW?
(A) HW (B) KT (C) GW (D) WG
- 1, 5, 13, 25, 41, 61, ?
(A) 81 (B) 77 (C) 85 (D) 91
- Pointing to a girl Rahul said, "She is the daughter of the only sister of my father". How is Rahul related to the girl?
(A) Uncle (B) Cousin (C) Father (D) Grandfather

21. Both Seeta and Ram start from a point towards North. Seeta turns to left after walking 10 km. Ram turns to right after walking the same distance. Seeta waits for sometime and then walks another 5 km, whereas Ram walks only 3 km. They both then return to their respective South and walk 15 km forward. How far is Seeta from Ram?
 (A) 12 km (B) 15 km (C) 10 km (D) 8 km
22. **Statements:** Creative persons are learned people. Some doctors are creative persons.
Conclusions:
 I. Some creative persons are learned people.
 II. Some learned people are doctors.
 (A) I (B) II (C) I and II (D) Neither I nor II
23. Which answer figure will complete the pattern in the question figure?

Question figures:

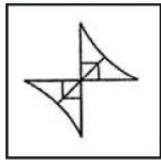


Answer figures:

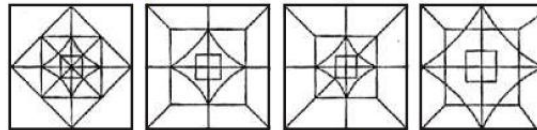


24. From the given answer figures, select the one in which the question figure is hidden/embedded.

Question figure:



Answer figures:



25. 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 letters as in two matrices given below. The columns and rows of Matrix-I are numbered from 0 to 4 and that of Matrix-II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column. E.g., 'A' can be represented by 03, 44 etc., and 'Q' can be represented by 55, 78 etc. Similarly, you have to identify the set for the word 'RETAIL'.

Matrix-I

	0	1	2	3	4
0	M	O	R	A	L
1	O	R	A	L	M
2	R	A	L	M	O
3	A	L	M	O	R
4	L	M	O	R	A

Matrix-II

	5	6	7	8	9
5	Q	U	I	E	T
6	U	I	E	T	Q
7	I	E	T	Q	U
8	E	T	Q	U	I
9	T	Q	U	I	E

- (A) 77, 85, 21, 13, 57, 20 (B) 20, 85, 77, 21, 57, 13 (C) 20, 77, 85, 21, 13, 57 (D) 77, 21, 20, 85, 57, 13

TEST-II: General Awareness

26. The island of Corsica is associated with
 (A) Mussolini (B) Hittler (C) Napoleon Bonaparte (D) Winston Churchill
27. Which among the following inscription is known as Prayag Prashasti?
 (A) Mehroli Inscription (B) Allahabad Pillar Inscription (C) Hathigumpha Inscription (D) Aihole Inscription
28. Philadelphia is famous for
 (A) Ship-building (B) Silk textiles (C) Locomotives (D) Dairy industry
29. The island of Honshu in Japan is famous for
 (A) Coal (B) Iron ore (C) Oil (D) Diamonds
30. What is the sign of the work performed on an object in uniform circular motion?
 (a) Zero (b) Positive (c) Negative (d) Depends on the particular situation
31. Which was the first National News Agency of free India?
 (A) The Indian Review (B) The free Press of India (C) The Associated Press of India (D) None of these
32. An indirect instrument of monetary policy is -
 (A) Bank rate (B) Cash reserve ratio (C) Open market operations (D) Statutory liquidity ratio
33. Which type of Vitamin deficiency a person will face who develops a completely carnivorous life style.
 (A) Thiamine (B) Niacin (C) Cobalamin (D) Vitamin-C

34. Viruses that infect bacteria are called
 (A) Basidiospores (B) Bacteriophages (C) Basal body (D) Basophils
35. Comptroller and Auditor General of India is not responsible for
 (A) Regulating Reserve Bank of India
 (B) Accounting of State & UTs, and Auditing of all Government Institution.
 (C) Making payments to the States
 (D) Issue of money from the Consolidated Fund
36. In which of the following year the Gandhi-Irwin Pact was signed?
 (A) 1931 (B) 1929 (C) 1932 (D) 1935
37. Which one of the following Pacts sought to be resolved the Hindu-Muslim differences?
 (A) Lucknow Pact (B) Gandhi-Irwin Pact (C) Lahore Pact (D) Poona Pact
38. The book "Globalization, Democratization and Distributive Justice" has been authored by :
 (A) Karan Bajaj (B) Anita Nair (C) Salman Rushdies (D) Mool Chand Sharma
39. Amjad Ali Khan is associated with which of the following musical instruments?
 (A) Violin (B) Sitar (C) Sarod (D) Veena
40. What is Hawala?
 (A) Full details of a subject (B) Illegal transctions of foreign exchange
 (C) Illegal trading of shares (D) Tax evasion
41. The 'Great Bath' was found at
 (A) Harappa (B) Mohenjodaro (C) Lothal (D) Chanhudaro
42. Fertilization of human eggs most often takes place in :
 (A) Ovary (B) Uterus (C) Oviduct fallopian tube (D) Cervix
43. When did India become a full Sovereign Democratic Republic?
 (A) 26 November, 1949 (B) 26th November, 1930 (C) 26th January, 1949 (D) 26th November, 1951
44. To whom did Allauddin Khilji entrust the mission to conquer South?
 (A) Ulugha Khan (B) Malik Kafur (C) Khizra Khan (D) Shaji Malik
45. The first National Park of India is :
 (A) Dachigam Wild Life Sanctuary (B) Corbett National Park
 (C) Simlipal National Park (D) Hazaribagh National Park
46. Who was the first Deputy Prime Minister of India?
 (A) Jawaharlal Nehru (B) Sardar Vallabhbai Patel (C) Maulana Abul Kalam Azad (D) Gulzarilal Nanda
47. The Finance Commission is constituted under Article _____ of the Constitution of India.
 (A) 275 (B) 280 (C) 282 (D) None of these
48. Indian citizenship is lost when
 (A) a person acquires a foreign citizenship
 (B) the person renounces the citizenship
 (C) the government deprives a person of Citizenship for some cause
 (D) All of the above
49. Who has been appointed as the 47th Chief Justice of India (CJI)?
 (a) Jasti Chelameswar (b) Aniruddha Bose (c) Sharad Arvind Bobde (d) Madan Lokur
50. UNESCO has designated which Indian city as Creative City of Gastronomy?
 (a) Mumbai (b) Chennai (c) Hyderabad (d) Varanasi

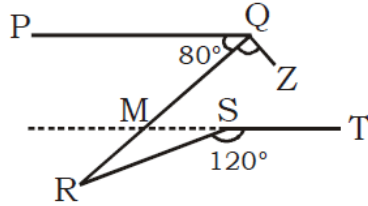
TEST-III: Quantitative Aptitude

Directions (51-53): Study the following table and answer the questions based on it.

Expenditures of a Company (in Lakh Rupees) per Annum Over the given Years.

Year	Item of Expenditure				
	Salary	Fuel and Transport	Bonus	Interest on Loans	Taxes
1998	288	98	3.00	23.4	83
1999	342	112	2.52	32.5	108
2000	324	101	3.84	41.6	74
2001	336	133	3.68	36.4	88
2002	420	142	3.96	49.4	98

51. What is the average amount of interest per year which the company had to pay during this period?
 (A) Rs 32.43 lakhs (B) Rs 33.72 lakhs (C) Rs 34.18 lakhs (D) Rs 36.66 lakhs
52. The total amount of bonus paid by the company during the given period is approximately what percent of the total amount of salary paid during this period?
 (A) 0.1% (B) 0.5% (C) 1% (D) 1.25%
53. Total expenditure on all these items in 1998 was approximately what percent of the total expenditure in 2002?
 (A) 62% (B) 66% (C) 69% (D) 71%
54. A person gives 10% to his wife, 10% of the remaining to a hospital and gives 10% of the remaining to a charity fund. Then he has only Rs 7290 with him, what was the initial sum of money with that person?
 (A) Rs 8,100 (B) Rs 9,000 (C) Rs 12,00 (D) Rs 10,000
55. In a class, the no. of boys is more than the no. of girls by 12% of the total strength. The ratio of boys to girls is:
 (A) 15 : 11 (B) 11 : 14 (C) 14 : 11 (D) 8 : 11
56. In the given figure, find the value of $\angle SRM$. If $\angle RQZ = 2\angle QRS$ and $PQ \parallel ST$.



- (A) 30° (B) 60° (C) 40° (D) 20°
57. A and B completed a work together in 5 days. Had A worked at twice the speed and B at half the speed, it would have taken four days to complete the job. How much time would it take for A alone to do the work?
 (A) 10 days (B) 20 days (C) 25 days (D) 15 days
58. The marked price of a mobile is Rs180. A Person buy it in Rs 137.7 after two successive discounts in which one is 10%, then find the another discount percentage?
 (A) 12% (B) 12.5% (C) 15% (D) 20%
59. The price of gold is directly proportional to square of its weight. A person broke down the gold in the ratio of 3 : 2 : 1 and faces a loss of Rs 2310. Find the initial price of gold.
 (A) Rs 3760 (B) Rs 3765 (C) Rs 3770 (D) Rs 3780
60. The divisor is 25 times the quotient and 5 times the remainder. If the quotient is 16 then dividend is:
 (A) 480 (B) 6480 (C) 6840 (D) 4888
61. If θ be a positive acute angle satisfying $\cos^2\theta + \cos^4\theta = 1$, then the value of $\tan^2\theta + \tan^4\theta = ?$
 (A) $3/2$ (B) 1 (C) $1/2$ (D) 0
62. In $\triangle ABC$, G is centroid, $AB = 15$ cm, $BC = 18$ cm and $AC = 25$ cm, then find the value of GD. If D is the midpoint of BC.
 (A) $\frac{7}{3}\sqrt{86}$ cm (B) $\frac{1}{3}\sqrt{86}$ cm (C) $\frac{2}{3}\sqrt{86}$ cm (D) $\frac{1}{3}\sqrt{86}$ cm
63. The minimum value of $4\tan^2\theta + 9\cot^2\theta$ is equal to-
 (A) 12 (B) 13 (C) 26 (D) 5
64. The investments made by A and B are in the ratio 3 : 2. If 5% of total profit is donated and A gets Rs 8,550 as his share of profit then what is the amount of total profit?
 (A) Rs 12020 (B) Rs 15000 (C) Rs 14000 (D) Rs 11050
65. There are two temples standing at each bank of a river opposite to each other. One temple is 108 m high. From the top of this temple, the angles of depression of the top and the foot of the other temple are 30° and 60° respectively. The height of other temple is:
 (A) 36 m (B) 72 m (C) $72\sqrt{3}$ m (D) 81 m
66. If $1 \times 2 \times 3 \times \dots \times n$ is denoted by $n!$, then $8! - 7! - 6!$ Is equal to
 (A) $6 \times 8 \times 6!$ (B) $7 \times 8 \times 6!$ (C) $6 \times 7 \times 8!$ (D) $7 \times 8 \times 7!$
67. If the radius of a right circular cylinder is decreased by 50% and its height is increased by 60%, its volume will be decreased by what percentage?
 (A) 10% (B) 60% (C) 40% (D) 20%
68. If a regular polygon has each of its angles equal to $3/5$ times of two right angles, then find the number of sides.
 (A) 8 (B) 6 (C) 5 (D) 3
69. What will be the value of $\frac{\cos^2 60^\circ + 4\sec^2 30^\circ - \tan^2 45^\circ}{\sin^2 30^\circ + \cos^2 30^\circ}$
 (A) 65/10 (B) 55/12 (C) 64/ $\sqrt{3}$ (D) 67/12

70. In a triangle ABC, $\angle BAC = 90^\circ$ and AD is perpendicular to BC. If AD = 6 cm and BD = 4 cm, then the length of BC is:
 (A) 13 cm (B) 10 cm (C) 8 cm (D) 9 cm
71. A salesman gets 10% commission on the total sales and an extra bonus of 2.5% on the sales above Rs 10,000. If he earns Rs 2,875, find the total sales.
 (A) Rs 15,000 (B) Rs 20,000 (C) Rs 25,000 (D) Rs 11,250
72. A man borrows Rs 6000 at 10% compound interest. At the end of each year he pays back Rs 2000. How much amount should he pay at the end of the third year to clear all his dues?
 (A) Rs 4366 (B) Rs 3366 (C) Rs 2266 (D) Rs 2366
73. If x is real, then the minimum value of $x^2 - x + 1$ is
 (A) $3/4$ (B) 0 (C) 1 (D) $1/4$
74. If $\frac{a}{1-a} + \frac{b}{1-b} + \frac{c}{1-c} = 1$, then the value of $\frac{1}{1-a} + \frac{1}{1-b} + \frac{1}{1-c} = ?$
 (A) 1 (B) 2 (C) 3 (D) 4
75. Two tangents PA and PB are drawn to the circle from a point P. CD is another tangent on the circle which intersects PA and PB at C and D respectively. If $\angle APB = 34^\circ$ the $\angle COD = ?$
 (A) 68° (B) 73° (C) 146° (D) None of these

TEST-IV: GENERAL ENGLISH

Direction (76-78) : Find out which part of a sentence has an error. The number of the part is your answer. If there is no error, your answer is (D) i.e. No error.

76. The wound will kill him (A)/ were it not (B)/for his great strength. (C)/No error (D).
 77. His actions were commended (A)/ neither by his friends (B)/or by his enemies. (C)/No error.(D)
 78. It is no use (A)/ finding fault (B)/ at everything. (C)/ No error. (D)

Directions (79-81) : Some sentences are given blanks to be filled in with an appropriate word(s).

79. It was _____ hot that day and the cable suffered the brunt of the heat.
 (A) Acceptably (B) Uncompromisingly (C) Unfailingly (D) Unbelievably
80. What he has done admits _____ no excuse.
 (A) with (B) of (C) for (D) in
81. She yelled _____ him and he hastily retreated, went out and yelled _____ help.
 (A) to, for (B) at, for (C) at, at (D) against, at

Direction (82-83): Choose the alternative which best expresses the meaning of the given word.

82. LASSITUDE
 (A) Beneficial (B) Injurious (C) Useful (D) Weariness
83. SARDONIC
 (A) Ironical (B) Productive (C) Stubborn (D) Beneficial

Direction (84-85): Choose the word opposite in meaning to the given word.

84. INTOLERABLE
 (A) Tiring (B) Bearable (C) Disappointment (D) Gloomy
85. LATENT
 (A) Ordinary (B) Concealed (C) Obvious (D) Hidden

Direction (86-87): Find the correctly/wrongly spelt word.

86. (A) Erudite (B) Unknown (C) Sluggish (D) Stedfast
 87. (A) Grateful (B) Greatfull (C) Gratefull (D) Greatful

Direction (88-90): Four alternatives are given for the Idiom/Phrase. Choose the alternative which best expresses the meaning of the Idiom/Phrase.

88. We could not hold the British army at bay for long.
 (A) quarrel with (B) upset (C) prevent (D) cheat
89. When the police arrived the rioters ran helter skelter.
 (A) here and there (B) unknowingly (C) In an arranged manner (D) replaced
90. Congress needs live-wire political leaders like Modi who can put the party on the right track.
 (A) a soft corner person (B) an artistic person (C) energetic (D) incomprehensible

Direction (91-93): In the following questions a sentence/ a part of the sentence is underlined. Choose the correct alternative. In case no improvement is needed your answer is (D).

91. I am sorry to losing my temper this morning.
 (A) about (B) of (C) for (D) no improvement
92. I am keen for building a career in publication.
 (A) at (B) to (C) on (D) No improvement
93. Rahul is having a lot of coins.



- (A) has a lot of (B) has lot of (C) has lots of (D) No improvement

Direction (94-96): In the following questions, out of the four alternatives, choose the one which can be substituted for the given sentence.

94. A person who is made to bear the blame for the mistakes of others
 (A) Innocent (B) Scapegoat (C) Ignoramus (D) Nincompoop
95. A person claiming to be superior in culture and intellect to others.
 (A) Intellectual (B) Aristocrat (C) Elite (D) Highbrow
96. One filled with excessive and mistaken enthusiasm in cause.
 (A) Martyr (B) Pedant (C) Fanatic (D) Patriot

Direction (97- 100) : Read the passage carefully and choose the best answer to each question out of the four alternatives.

If this is so, if to read a book as it should be read calls for the rarest qualities of imagination, insight and judgement. You may perhaps conclude that literature is a very complex art and that it is unlikely that we shall be able, even after a life time of reading, to make any valuable contribution to its criticism. We must remain readers, we shall not put on the further glory that belongs to those rare beings who are also critics.

97. What are the qualities required for reading a book?
 (A) Proper judgement (B) Imagination
 (C) Imagination, insight and judgement (D) None of the above
98. According to the author
 (A) It is not possible for most of us to contribute anything for criticism
 (B) It is possible to do something
 (C) It is not even easy to understand literature
 (D) Most of the people can contribute to criticism of literature
99. The author feels that we cannot have the greatness of
 (A) writers (B) critics (C) publishers (D) readers
100. What is the opinion of most of the people about literature?
 (A) That it is not an easy one to contribute anything (B) That it is to some extent difficult to understand
 (C) That no contribution is necessary for literature (D) That it is very easy to understand

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
B	C	B	C	B	B	C	A	B	D	A	B	D	C	A	D	A	B	C	B	D	C	B	A	B
26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
C	B	C	C	A	B	C	D	B	A	A	A	D	C	B	B	C	A	B	B	B	B	D	C	C
51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
D	C	C	D	C	D	A	C	D	B	B	C	A	B	B	A	B	C	B	A	C	B	A	D	B
76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
A	C	D	D	B	B	D	A	B	C	D	A	C	A	C	A	C	A	B	D	C	C	A	B	B