

1. Select the related word/letters/number from the given alternatives.

Hirakund : Mahanadi :: Tehri Dam : ?

- A. Damodar B. Bhagirathi
C. Yamuna D. Son

Ans. B

2. Select the related word/letters/number from the given alternatives.

LG : WM :: DC : ?

- A. IJ B. EF
C. GE D. LI

Ans. C

3. Select the related word/letters/number from the given alternatives.

IM : RZ :: HF : ?

- A. MP B. OK
C. PL D. QR

Ans. C

4. Select the related word/letters/number from the given alternatives.

16 : 40 :: 20 : ?

- A. 29 B. 21
C. 50 D. 60

Ans. C

5. Find out the odd word/letters/number/number pair from the given alternatives.

- A. Mohammad Azharuddin
B. Sunil Gavaskar
C. Dhyan Chand
D. Yuvraj Singh

Ans. C

6. Find out the odd word/letters/number/number pair from the given alternatives.

- A. EV B. GT
C. JQ D. MO

Ans. D

7. Find out the odd word/letters/number/number pair from the given alternatives.

- A. 4246 B. 8314
C. 9546 D. 7284

Ans. B

8. Find out the odd word/letters/number/number pair from the given alternatives.

- A. 78, 26 B. 19, 20
C. 20, 40 D. 36, 12

Ans. B

9. A series is given with one term missing. Choose the correct alternative from the given ones that will complete the series.

Constable, Head constable, ? , Inspector

- A. Deputy Superintendent of Police

B. Superintendent of Police

C. Sub-inspector

D. Assistant Commissioner of Police

Ans. C

10. A series is given with one term missing. Choose the correct alternative from the given ones that will complete the series.

3, 6, 9, 36, 41, ?

- A. 244 B. 225
C. 246 D. 410

Ans. C

11. In the following question, two statements are given each followed by two conclusions I and II. You have to consider the statements to be true even if they seem to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follows from the given statements.

Statements:

(I) Some scooters are trucks.

(II) All trucks are trains.

Conclusion:

(I) Some scooters are trains.

(II) No truck is a scooter.

- A. Conclusion I follows
B. Conclusion II follows
C. Neither I nor II follows
D. Both I and II follows

Ans. A

12. A series is given with one term missing. Choose the correct alternative from the given ones that will complete the series.

JLN, RTV, ZBD, ?

- A. SUW B. HJL
C. GHI D. TVX

Ans. B

13. A series is given with one term missing. Choose the correct alternative from the given ones that will complete the series.

XV, BA, JK, ?

- A. MP B. VS
C. VZ D. UD

Ans. C

14. If yesterday was Tuesday, then what day of the week will the tenth day from today be?

- A. Friday B. Sunday
C. Monday D. Saturday

Ans. D

15. Arrange the given words in the sequence in which they occur in the dictionary.

- i. Collaborate ii. Constant
 iii. Correspondence iv. Combination
 A. iv, ii, i, iii B. iii, ii, iv, i
 C. iv, iii, i, ii D. i, iv, ii, iii

Ans. D

16. In a certain code language, 'TAPERRECORDER' is written as '!#&@^@?%^+@^'. How is 'REPORT' written in that code language?

- A. ^@&^%!
 B. ^@&%!
 C. ^@&%^!
 D. ^@%&^!

Ans. C

17. In the following question, select the missing number from the given series.

13	169	961
15	?	2601
12	144	441

- A. 81 B. 361
 C. 289 D. 225

Ans. D

18. If "*" denotes "added to", "&" denotes "divided by", "@" denotes "multiplied by" and "%" denotes "subtracted from", then $153 \& 17 @ 6 \% 9 * 18 = ?$

- A. 63 B. 98
 C. 93 D. 10

Ans. A

19. In the following question, which one set of letters when sequentially placed at the gaps in the given letter series shall complete it?

- d_fde__deee_
 A. eeff B. cdef
 C. ddee D. deee

Ans. A

20. A man travels 25 km towards the west and then turns 90° to his left and travels another 4 km. Finally, he turns left and covers 25 km. In which direction is he now from his original position?

- A. West B. East
 C. South D. North

Ans. C

21. 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 shown in the given two matrices. 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, for example, 'N' can be represented by 21, 67 etc. and 'R' can be represented by 66, 57 etc. Similarly, you have to identify the set for the word 'HUNT'.

Matrix-I

	0	1	2	3	4
0	T	R	A	N	B
1	W	U	N	H	U
2	E	N	S	G	U
3	N	Y	P	U	M
4	H	T	U	F	A

Matrix-II

	5	6	7	8	9
5	T	A	R	I	H
6	X	R	N	W	B
7	C	S	Y	E	U
8	S	N	T	M	S
9	G	B	E	R	H

- A. 40, 33, 03, 88
 B. 99, 23, 56, 00
 C. 59, 42, 12, 79
 D. 13, 11, 30, 41

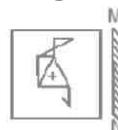
Ans. D

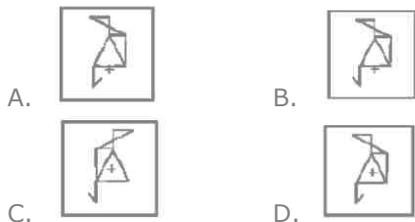
22. Introducing a girl, a man says, "She is the daughter of the daughter of my wife". How is man related to the girl?

- A. Maternal uncle
 B. Son
 C. Maternal grandfather
 D. Father

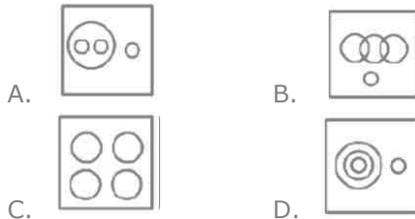
Ans. C

23. If a mirror is placed on the line MN, then which of the answer figures is the right image of the given figure?

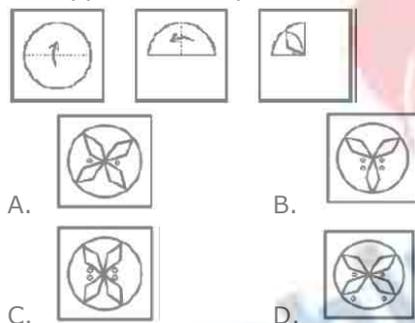




- Ans. D
 24. Identify the diagram that best represents the relationship among the given classes.
 Olympic games, Tennis, Wrestling, Ludo



- Ans. A
 25. A piece of paper is folded and punched as shown below in the question figures. From the given answer figures, indicate how it will appear when opened.



- Ans. C
 26. Group of 4 bits forms a
 A. Byte B. Nibble
 C. Gigabyte D. Terabyte
- Ans. B
 27. Barograph was invented by
 A. Lucien Vidi
 B. John Venn
 C. Theophilus Van Kannel
 D. Lewis Urry
- Ans. A
 28. Diabetes is caused by
 A. Excess of insulin
 B. Low production of Insulin
 C. Malfunction of liver
 D. Higher production of bilirubin
- Ans. B
 29. Tectona grandis Linn is the scientific name of

- A. Guava B. Teak
 C. Amla D. Chiku

- Ans. B
 30. Sea-Anemones belongs to the phylum
 A. Arthropoda B. Cnidaria
 C. Porifera D. Mollusca
- Ans. B
 31. Which among the following is present inside the nucleus of an atom?
 A. Protons and Neutrons
 B. Electrons and Protons
 C. Neutrons and Electrons
 D. Neutrons, Protons, Electrons
- Ans. A
 32. What is baking soda?
 A. Aluminium bicarbonate
 B. Sodium isolate
 C. Sodium bicarbonate
 D. Aluminium sulphate
- Ans. C
 33. Elephanta Caves is in
 A. Maharashtra B. Orissa
 C. Rajasthan D. Sikkim
- Ans. A
 34. Which of the following is a classical dance from North India?
 A. Bharatanatyam B. Kuchipudi
 C. Kathak D. Kathakali
- Ans. C
 35. If demand curve for camping tents is $D = 100000 - 17P$ and supply curve is $S = 50000 + 8P$ find the equilibrium Price?
 A. Rs. 1000 B. Rs. 2000
 C. Rs. 4000 D. Rs. 500
- Ans. B
 36. Value of Total Goods and Services produced in a country is its _____.
 A. Gross Domestic Product
 B. Gross Revenue Income
 C. Total Goods Revenue
 D. Total Income
- Ans. A
 37. Dissolved oxygen in rivers is close to _____parts per million.
 A. 125 B. 25
 C. 5 D. 0
- Ans. C
 38. Which of the following is also known as a Common Water Hyacinth?
 A. Pistia B. Opuntia

- C. Aegilops D. Echinochloa
- Ans. D
39. Rukmini Devi Arundale is associated with _____.
- A. Kathak B. Bharatnatyam
C. Kuchipudi D. Bhangra
- Ans. B
40. Which state does not share a common border with Haryana?
- A. Uttar Pradesh
B. Madhya Pradesh
C. Himachal Pradesh
D. Rajasthan
- Ans. B
41. Which planet is also referred to as a "Dwarf planet"?
- A. Pluto B. Mercury
C. Jupiter D. Saturn
- Ans. A
42. Who was the founder of the Brahma Samaj, founded in 1828?
- A. Rabindranath Tagore
B. Subhash Chandra Bose
C. Sardar Vallabh Bhai Patel
D. Raja Ram Mohan Roy
- Ans. D
43. Shah Jahan built Taj Mahal in memory of _____.
- A. Ruqayya Sultan Begum
B. Jodha Bai
C. Mumtaz Mahal
D. Nur Jahan
- Ans. C
44. Which actor won the best actor award in the 1st Filmfare Awards?
- A. Dev Anand
B. Rajesh Khanna
C. Dilip Kumar
D. Amitabh Bachchan
- Ans. C
45. Which of the following physical quantities is a scalar quantity?
- A. Weight B. Impulse
C. Young's Modulus D. acceleration
- Ans. C
46. Which among the following elements is a liquid at room temperature?
- A. Phosphorus B. Mercury
C. Sodium D. Aluminium
- Ans. B

47. How many maximum terms, a person can serve as Prime Minister of India?
- A. 3 B. 5
C. 7 D. No limit
- Ans. D
48. If the president declares emergency then this proclamation must be approved by the Parliament within _____.
- A. 1 year B. 6 months
C. 3 months D. one month
- Ans. D
49. Deepika Kumari is associated with _____.
- A. Archery B. Wrestling
C. Boxing D. Swimming
- Ans. D
50. The Arthashastra was written by
- A. Chanakya
B. Kalidasa
C. Harsha Vardhana
D. Vatsyayana
- Ans. A
51. In ΔABC , D and E are points on side AB and AC respectively. DE is parallel to BC. If lengths of AD, DB and DE are 10 cm, 5 cm and 6 cm respectively. What is the length of BC?
- A. 9 cm B. 2 cm
C. 3 cm D. 11 cm
- Ans. A
52. If $2x - 1 < 5x + 2$ and $2x + 5 < 6 - 3x$, then x can take which of the following values?
- A. 1 B. 0
C. 2 D. -2
- Ans. B
53. A carpenter can build a cupboard in 60 hours. After 15 hours he takes a break. What fraction of the cupboard is yet to be built?
- A. 0.5 B. 0.9
C. 0.75 D. 0.25
- Ans. C
54. There is 75% increase in an amount in 5 years at simple interest. What will be the compound interest of Rs 40000 after 2 years at the same rate?
- A. Rs 25800 B. Rs 32250
C. Rs 12900 D. Rs 19350
- Ans. C
55. Which of the following equations has the sum of its roots as 5?

- A. $x^2 - 5x + 6 = 0$ B. $x^2 - 5x - 6 = 0$
 C. $x^2 + 5x + 6 = 0$ D. $x^2 + 5x - 6 = 0$
- Ans. B
56. The base angle of an isosceles trapezium is 45° . If the shorter side and both the equal sides are 10 cm each, what is the area of the trapezium?
 A. $50\sqrt{2} + 50$ sq cm
 B. $50\sqrt{2} + 100$ sq cm
 C. $100\sqrt{2} + 50$ sq cm
 D. $100\sqrt{2} + 100$ sq cm
- Ans. A
57. Rahul sells a machine for Rs 50 lakhs at a loss. Had he sold it for Rs 60 lakh, his gain would have been 7 times the earlier loss. What is the cost price of the machine?
 A. Rs 51.25 lakhs B. Rs 58.75 lakhs
 C. Rs 67.14 lakhs D. Rs 43.75 lakhs
- Ans. A
58. If the radius of a circle is increased by 27%, then its area will increase by
 A. 61.29 percent B. 54 percent
 C. 27 percent D. 30.645 percent
- Ans. A
59. If Girilal's salary is $\frac{11}{7}$ times of Hariram's and Shekhar's is $\frac{3}{4}$ times of Hariram's, what is the ratio of Girilal's salary to Shekhar's salary.
 A. 44:21 B. 28:33
 C. 33:28 D. 21:44
- Ans. A
60. $(\cos A + \sin A)^2 + (\cos A - \sin A)^2$ is equals to
 A. 1 B. $\frac{1}{2}$
 C. 2 D. 0
- Ans. C
61. If a merchant offers a discount of 20% on the list price, then she makes a loss of 16%. What % profit or % loss will she make if she sells goods at a discount of 10% of the list price?
 A. 14 percent profit
 B. 20 percent profit
 C. 50 percent profit
 D. 5.5 percent loss
- Ans. D
62. The sum of all prime numbers between 30 and 42 is
 A. 103 B. 109
- C. 105 D. 104
- Ans. B
63. The curved surface area of a hemisphere is 2772 sq cm and volume is 19404 cubic cm, what is its radius? (Take $\pi = \frac{22}{7}$)
 A. 42 cms B. 21 cms
 C. 10.5 cms D. 31.5 cms
- Ans. D
64. If $\cos C - \cos D = x$, then value of x is
 A. $2 \sin\left[\frac{(C+D)}{2}\right] \cos\left[\frac{(C-D)}{2}\right]$
 B. $2 \cos\left[\frac{(C+D)}{2}\right] \sin\left[\frac{(C-D)}{2}\right]$
 C. $2 \sin\left[\frac{(C+D)}{2}\right] \sin\left[\frac{(C-D)}{2}\right]$
 D. $2 \cos\left[\frac{(C+D)}{2}\right] \cos\left[\frac{(C-D)}{2}\right]$
- Ans. C
65. The value of x for which the expressions $12 - 6x$ and $4x + 2$ become equal is
 A. 0 B. 2
 C. 1 D. 4
- Ans. C
66. $\triangle DEF$ and $\triangle GHI$ are similar triangles. Length of DE is 4 cm and length of the corresponding side GH is 9 cm. What is the ratio of areas of $\triangle DEF$ and $\triangle GHI$?
 A. 81:16 B. 4:9
 C. 16:81 D. 9:4
- Ans. C
67. To travel 816 km, an Express train takes 9 hours more than Rajdhani. If however, the speed of the Express train is doubled, it takes 4 hours less than Rajdhani. What is the speed of Rajdhani?
 A. 48 km/hr B. 62.8 km/hr
 C. 33.2 km/hr D. 77.5 km/hr
- Ans. A
68. What would be the equation of the line, which intercepts x-axis at -5 and is perpendicular to the line $y = 2x + 3$?
 A. $x - 2y = -5$ B. $x + 2y = 5$
 C. $x + 2y = -5$ D. $x - 2y = 5$
- Ans. C
69. If $4pxy = (x + 2y)^2 - (x - 2y)^2$, then what will be the value of p?
 A. 0.5 B. 0.25
 C. 4 D. 2
- Ans. D
70. In the first 26 overs of a cricket match, the run rate was 5.4 runs/over. What is the

"Please don't hit me" Rita said to the attacker.

- A. Rita begged the attacker to not to hit her.
- B. Rita told the attacker to not hit her.
- C. Rita begged the attacker not to hit her.
- D. Rita pleaded with the attacker to not to hit her.

Ans. A

81. Select the synonym of dignity

- A. decency
- B. immoral
- C. primacy
- D. chagrin

Ans. A

82. In the following question, some part of the sentence may have errors. Find out which part of the sentence has an error and select the appropriate option. If a sentence is free from error, select 'No Error'.

Indian Defence forces (A)/fought the enemy(B)/till the last soldier was standing.(C)/No error(D)

- A. A
- B. B
- C. C
- D. D

Ans. A

83. Choose the synonym of defecate

- A. chaff
- B. quench
- C. ingest
- D. secrete

Ans. D

84. Select the word with the correct spelling.

- A. bargundy
- B. panacea
- C. revolver
- D. continue

Ans. B

85. In the following question, the sentence given with blank to be filled in with an appropriate word. Select the correct alternative out of the four and indicate it by selecting the appropriate option.

_____ and my younger brother went to the movies all by ourselves.

- A. I
- B. Mine
- C. Myself
- D. My own self

Ans. A

86. Rearrange the parts of the sentence in correct order

The truth about these
P-communities is that
Q-they deserve to die
R-dysfunctional, downscale

- A. PQR
- B. QPR

C. RPQ

D. RQP

Ans. C

87. Improve the bracketed part of the sentence.

The unfortunate old man was knocked (away by) the rash driver.

- A. out by
- B. off by
- C. by
- D. no improvement

Ans. A

88. In the following question, out of the four alternatives, select the alternative which is the best substitute of the phrase

Something widely feared as a possible dangerous occurrence.

- A. spectre
- B. beguile
- C. monolith
- D. canny

Ans. A

89. In the following question, some part of the sentence may have errors. Find out which part of the sentence has an error and select the appropriate option. If a sentence is free from error, select 'No Error'.

The landlord could not(A)/tell which of the servant(B)/broke the glass.(C)/No error(D)

- A. A
- B. B
- C. C
- D. D

Ans. B

90. Improve the bracketed part of the sentence. One should get (trained) to prepare one's own breakfast.

- A. habituated
- B. used
- C. prepared
- D. no improvement

Ans. B

91. In the following question, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/phrase.

Mrs. Vaijanthi teaches us literature.

- A. We have been taught literature by Mrs. Vaijanthi.
- B. Literature is being taught by Mrs. Vaijanthi to us.
- C. Literature is being taught to us by Mrs. Vaijanthi.
- D. Literature is taught by Mrs. Vaijanthi to us.

Ans. C

92. Select the antonym of deep-seated

- A. chronic
- B. temporary
- C. inbred
- D. subconscious

Ans. B

93. In the following question, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/phrase.

Zero tolerance

- A. Accuracy is paramount
- B. Non-acceptance of antisocial behavior
- C. No return without risk
- D. No problem at all

Ans. B

94. Rearrange the parts of the sentence in correct order.

Do not be anxious about

P-thanksgiving, present your requests to God

Q-and petition, with

R-anything, but in every situation, by prayer

- A. PRQ
- B. PQR
- C. QRP
- D. RQP

Ans. D

95. In the following question, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/phrase.

Variety is the spice of life

- A. New experiences make life more interesting
- B. Experimentation may be risky
- C. Life is very beautiful
- D. There is no life without excitement

Ans. A

96. In the following passage some of the words have been left out. Read the passage carefully and select the correct answer for the given blank out of the four alternatives.

Potholes and _____ placed speed breakers of all shapes and sizes on city streets have become a health _____ for two-wheeler riders. From cuts and bruises, wounds, and a visit to the emergency room to serious and _____ back and neck-related complications, potholes have become an _____ for those on the road. Doctors report an increase in patients with injuries and serious bone-related _____ in the monsoon.

Potholes and _____ placed speed breakers

- A. haphazardly
- B. accidentally

C. casually

D. randomly

Ans. A

97. In the following passage some of the words have been left out. Read the passage carefully and select the correct answer for the given blank out of the four alternatives.

Potholes and _____ placed speed breakers of all shapes and sizes on city streets have become a health _____ for two-wheeler riders. From cuts and bruises, wounds, and a visit to the emergency room to serious and _____ back and neck-related complications, potholes have become an _____ for those on the road. Doctors report an increase in patients with injuries and serious bone-related _____ in the monsoon.

a health _____ for two-wheeler riders.

- A. risk
- B. threat
- C. danger
- D. hazard

Ans. D

98. In the following passage some of the words have been left out. Read the passage carefully and select the correct answer for the given blank out of the four alternatives.

Potholes and _____ placed speed breakers of all shapes and sizes on city streets have become a health _____ for two-wheeler riders. From cuts and bruises, wounds, and a visit to the emergency room to serious and _____ back and neck-related complications, potholes have become an _____ for those on the road. Doctors report an increase in patients with injuries and serious bone-related _____ in the monsoon.

to serious and _____ back and neck-related complications

- A. chronic
- B. painful
- C. hurtful
- D. terrible

Ans. A

99. In the following passage some of the words have been left out. Read the passage carefully and select the correct answer for the given blank out of the four alternatives.

Potholes and _____ placed speed breakers of all shapes and sizes on city streets have become a health _____ for two-wheeler riders. From cuts and bruises, wounds, and a visit to the emergency room to serious and _____

back and neck-related complications, potholes have become an _____ for those on the road. Doctors report an increase in patients with injuries and serious bone-related _____ in the monsoon.

potholes have become an _____

- A. health risk
- B. dangerous situation
- C. imminent threat
- D. epidemic

Ans. C

100. In the following passage some of the words have been left out. Read the passage carefully and select the correct answer for the given blank out of the four alternatives.

Potholes and _____ placed speed breakers of all shapes and sizes on city streets have become a health _____ for two-wheeler riders. From cuts and bruises, wounds, and a visit to the emergency room to serious and _____ back and neck-related complications, potholes have become an _____ for those on the road. Doctors report an increase in patients with injuries and serious bone-related _____ in the monsoon.

serious bone-related _____ in the monsoon.

- A. confusions
- B. complications
- C. complexities
- D. difficulties

Ans. B

