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

Five point Someone : Chetan Bhagat :: Swami and Friends : ?

A. William Shakespeare   B. R.K. Narayan

C. Charles Dickens   D. Rabindra Nath Tagore

Ans. C.

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

EFG : OPQ : : ? : STU

A. GHI   B. LMN

C. JKL   D. IJK

Ans. D.

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

? : GA : QR : JI

A. KN   B. RS

C. NQ   D. TZ

Ans. D.

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

14 : 30 : : 16 : ?

A. 68   B. 36

C. 34   D. 56

Ans. C.

5. Select the odd word/letters/number/ number pair from the alternatives.

 A. Singareni   B. Raniganj

C. Jharia   D. Narora

Ans. D.

6. Select the odd word/letters/number/ number pair from the alternatives.

A. ZBD   B. JLN

C. QSU   D. NOP

Ans. D.

7. Select the odd word/letters/number/ number pair from the alternatives.

A. 1356   B. 5497

C. 8764   D. 9943

Ans. A.

8. Select the odd word/letters/number/ number pair from the alternatives.

A. 79   B. 59

C. 53   D. 75

Ans. D.

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

Pranab mukherjee , Pratibha patil , APJ Abdul kalam?

A. Rajendra Prasad

B. K. R. Narayanan

C. Shankar Dayal Sharma

D. V. V. Giri

Ans. B.

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

DE : HI : LM , ?

A. QA   B. PR

C. PQ   D. PU

Ans. C

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

PR, VX, BD, ?

A. EF   B. HI

C. HJ   D. HK

Ans. C

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

4, 13, 40, 121, ?

A. 350   B. 360

C. 364   D.362

Ans. C

13. 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 non facts. You have to decide which of the given conclusions, if any, follow from the given statements.

Statements

I. 28 athletes are facing legal cases due to doping incidents.

II. The new wave of Olympics doping cases is based on evidences.

Conclusions

I. The report of doping is based on the test that happen.

II.Doping practice is very common these days among athletes.

A. Only conclusion II follows.

B. Conclusion I and II both follows.

C. Neither I nor II follows.

D. Only conclusion I follows.

Ans. C

14. There are five boys Prem, Raju, Sundar, Hari and Om Pal. Raju has more share of land than Sundar but lesser than Prem. Om Pal has the least share and Hari has lesser share of land than Sundar. Who owns the highest share of land?

A. Sundar   B. Raju

C. Hari   D. Prem

Ans. D

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

i. Permanence

ii. Permanent

iii. Permafrost

iv. Permeability

A. ii, iii, iv, I	B. iii, ii, i, iv
C. iv, ii, i, iii	D. iii, i, ii, iv

Ans. D

16. In a certain code language,"iTOAST" is written as "03210" and "RIGID" is written as "45759". How is "DOOR" written in that code language ?

A. 9331	B. 9334
C. 3390	D. 1314

Ans. B.

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

3	12	24
4	5	7
5	13	?

A. 17	B. 18
C. 22	D. 25

Ans. D.

18. If "+" means "minus","x" means "divided by" ,"÷" means "Plus" and "-" means "multiplied by" then

81 x 9 + 10 – 6 ÷ 5 = ?

A. 46	B. -46
C. -47	D. -74

Ans. B.

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

a_c_e_b_de

A. acab	B. abcd
C. bdac	D. Abdc

Ans. C.

20. Amit is facing north. He turns 90° right and walks for 50 m, then towards the south and walks 50 m, then turns right to walk for another 50 m and from there, he walks 50 m towards north. In which direction/position is he from his original position ?

A. South-west

B. At the original position

C. North-east

D. North-west

Ans. B.

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 matrics. 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, 43 etc. And 'R' can be represented by 66, 58 etc. Similarly, you have to identify the set for the word 'HAIRY'.

Matrix-I
आव्यूह – I

	0	1	2	3	4
0	A	S	E	H	A
1	Q	D	H	L	S
2	W	N	T	K	D
3	H	D	Y	A	F
4	R	G	A	N	G

Matrix-II
आव्यूह – II

	5	6	7	8	9
5	Y	T	I	R	F
6	G	R	P	L	R
7	I	O	U	R	M
8	D	F	R	K	Q
9	S	R	W	D	Y

A. 03,33,57,77,99

B. 03,33,57.78,96

C. 03,33,57,78,99

D. 03,33,75,79,99

Ans. C.

22. Introducing a boy, a girl says, "He is the son of the sister of my mother's brother."How is the boy related to the girl?

A. Cousin

B. Brother-in-law

C. Father-in-law

D. Niece

Ans. A.

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. B.

24. Identify the diagram that represents the relationship among the given classes.
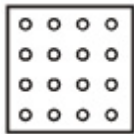Poliltician, Minister, Human
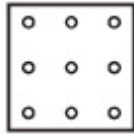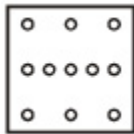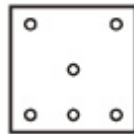

Ans. B.

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.

A.
B.
C.
D.

Ans. A.

26. Group of Monuments at Hempi is in ....

A. Karnataka　　　B. Madhya Pradesh

C. Maharashtra　　D. Rajasthan

Ans. A.

27. Which movie has not won the National Film Award for Best Feature Film ?

A. Court

B. Taare Zameen Par

C. Baahubali: The Beginning

D. Ship of Theseus

Ans. B.

28. Bambusa dendrocalmus is the scientific name of....................

A. Banyan　　　　B. Papaya

C. Bamboo　　　　D. Pomegranate

Ans. C.

29. Acinoyx jubatus is the scientific name of.......................

A. Bear　　　　　B. Horse

C. Cheetah　　　　D. Zebra

Ans. C.

30. Atomic number of which of the following elements is greater than that of Zinc.

A. Copper　　　　B. Iron

C. Chromium　　　D. Bromine

Ans. D.

31. Commonly used abbreviation SEO in computer science stands for ?

A. System Engine Optimization

B. Search Engine Optimization

C. Structured Engine Optimization

D. Single Engine Optimization

Ans. B.

32. Chang Lois a folk dance of.............

A. Arunachal Pradesh　　B. Punjab

C. Assam　　　　D. Nagaland

Ans. D.

33. If one more cobbler is hired the output of a shoe making unit will increase from 50 pairs of shoes to 55 pairs per day, but then the shoe making unit will have to reduce the price of a pair of shoes from from Rs 3200 to Rs per pair to sell Rs 3000 per pair to sell to sell the additional output, the marginal revenue product of the last cobbler is

A. Rs 1000　　　　B. Rs 5000

C. Rs 4000　　　　D. Rs 200

Ans. B.

34. The Law of demand is based on the concept that concept that people.................

A. buy more of a good as their income increases.

B. buy more of a good as the price of the good life.

C. will spend all of their money on something.

D. want more of everything even if they have no money to buy anything.

Ans. B.

35. The ozone layer is mainly found in the lower portion of the.............................

A. stratosphere　　　B. Troposphere

C. mesosphere　　　D. thermosphere

Ans. A.

36. Ranthambore Tiger Reserve is in which state ?

A. Rajasthan

B. Andhra Pradesh

C. Arunachal Pradesh

D. Uttarakhand

Ans. A.

37. How many Union Territories are there in India?

A. 6　　　　　　　B. 7

C. 8　　　　　　　D. 9

Ans. B.

38. A hard coal containing little volatile mater is called...................

A. Loess　　　　　B. Anthracite

C. Atoll　　　　　D. Lava

Ans. B.

39. Port of spain is the capital city of.....................

A. Saudi Arabia

B. North Korea

C. Czech Republic

D. Trinidad and Tobago

Ans. D.

40. Chanakya was the chief advisor of...................

A. Babur

B. Chandragupta Maurya

C. Akbar

D. Kautilya

Ans. B.

41. Battle of Haldighati in 1576 was fought between Akbar and...................

A. Sher Shah

B. Maharana Pratap

C. Hemu Vikramadtiya

D. Nader Shah

Ans. B.

42. Who invented javaScipt the Programming language?

A. Brenden Eich   B. Wilem Einthoven

C. George Eastman   D. Emil Erlenneyer

Ans. A.

43. ....of a material is defined as the minimum amount of the work necessary to remove a free electron from surface of the material.

A. The electro-repulsive force

B. The coulomb factor

C. The power factor

D. The work function

Ans. D.

44. Human beings 'hearing range is...............

 A. 50 to 50,000 Hz

B. 40 to 40,000 Hz

C. 30 to 30,000 Hz

D. 20 to 20,000 Hz

Ans. D.

45. Which State has the highest Lok Shabha seats in India?

A. Maharashtra   B. Madhya Pradesh

C. Uttar Pradesh   D. Bihar

Ans. C.

46. The number of parliament seats (Lok Sabha) of Andhra Pradesh is...................

A. 2   B. 13

C. 20   D. 25

Ans. D.

47. Number of players in Kabaddi team is........................

A. 3   B. 7

C. 5   D. 9

Ans. B.

48. Who is the author of "India From Midnight to the Millennium"?

A. Anuj Tiwari   B. Mitali Meelan

C. Shashi Tharoor   D. Jhumpa Lahiri

Ans. C.

49. Decane has how many many hydrogen atoms ?

A. 22   B. 33

C. 11   D. 44

Ans. A.

50. The pale yellow colour of urine is due to the presence of which pigment?

A. Urochrome   B. Urophyll

C. Chlorophyll   D. Chloroplast

Ans. A.

51. In a class of 60 students there are 30 girls. The average weight of these girls is 58 kg and average weight of the full class is 63 kgs. What is the average weight of the boys of the class ?

A. 67   B. 66

C. 68   D. 65

Ans. C.

52. Two students appeared for an examination. One of them securd 21 marks more than the other and his marks were 80 % of the sum of their marks. The marks obtained by them are

A. 88 and 67   B. 89 and 68

C. 28 and 7   D. 98 and 77

Ans. C.

53. Pannalal has done $1/3^{rd}$ of a job in 20 days, Saiprasad completes the rest of the jod in 10 days. In how many days can they together do the job?

A. 12 days   B. 6 days

C. 3 days   D. 24 days

Ans. A.

54. If Girdhar's salary is 5/3 times of Hariraj's ans shaunak's is 2/3 times of Hariraj's, what is the ratio of Girdhar's salary to Shaunak's.

A. 9 : 10   B. 10 : 9

C. 5 : 2   D. 2 : 5

Ans. C.

55. If $\sec -7\pi/4 = x$, then the value of x is

A. $\sqrt{2}$ B. $-\sqrt{2}$

C. $-1\sqrt{2}$ D. -1

Ans. A.

56. What should be the missing digit so that the number 275_476 becomes exactly divisible by 11?

A. 6   B. 4

C. 2   D. 3

Ans. D.

57. If $\tan(A/2) = x$, then the value of x is

A. $(1-\cos A)/\sin A$

B. $(1+\cos A)/\sin A$

C. $\sqrt{(1-\cos A)/\sin A}$

D. $\sqrt{(1+\cos A)/\sin A}$

Ans. C.

58. If $(\sec A - \tan A)^2 = x$, then the value of x is

A. $(1+\sin A)(1-\sin A)$

B. $\sqrt{(1-\sin A)(1+\sin A)}$

C. $(1-\sin A)(1+\sin A)$

D. $\sqrt{(1+\sin A)(1-\sin A)}$

Ans. C.

59. If a cylinder of radius 4 cm and height 8 cm is melted and constructed into a cone of the same radius, what will be the length of this cone ?
A. 48 cm   B. 24 cm
C. 8 cm   D. 12 cm
Ans. B.

60. Points P and Q lie on side AB and AC of triangle ABC respectively such that segment PQ is parallel to side BC. If the ratio of AP:PB is 2:3, and area of Δ APQ is 8 sq cm, what is the area of trapezium PQCB ?
A. 50 sq cm   B. 18 sq cm
C. 14 sq cm   D. 42 sq cm
Ans. D.

61. Find equation of the perpendicular bisector of segment joining the points (2,-5) and (0,7) ?
A. $x-6y=5$ B. $x+6y=-5$
C. $x-6y=-5$ D. $x+6y=5$
Ans. C.

62. Raghunandan sells a machine for Rs 45 lakhs at a loss. Had he sold it for Rs 55 lakh, his gain would have been 9 times the former loss. Find the cost price of the machine.
A. Rs 54 lakhs   B. Rs 46 lakhs
C. Rs 60 lakhs   D. Rs 38 lakhs
Ans. B.

63. What is the measure of an interior angle of a regular decagon ?
A. 120°   B. 140°
C. 144°   D. 150°
Ans. C.

64. The circumference of a circle is 88 cm, find its area ?
A. 616 sq cm   B. 308 sq cm
C. 154 sq cm   D. 77 sq cm
Ans. A.

65. At 15% discount the selling price of a microwave oven id Rs 34000, what is the selling price if the discount is 37.5% ?
A. Rs 25000   B. Rs 15625
C. Rs 17968.75   D. Rs 29218.75
Ans. A.

66. Coefficient of x in $(x+9)(8-5x)$ is
A. 37   B. -53
C. -37   D. 53
Ans. C.

67. At what rate of compound interest per annum will a sum of Rs 10000 become rs 12321 in 2 years ?
A. 22 percent   B. 11 percent
C. 7 percent   D. 15 percent
Ans. B.

68. If $x-y=-9$ and $xy=-20$, then find x^2+y^2
A. 61   B. 41
C. 85   D. 113
Ans. B.

69. Two cars travel from A to city b at a speed of 36 and 54 km/hr respectively. If one car takes 3.5 hours lesser than the other car for the journey.
A. 454 km   B. 567 km
C. 302 km   D. 378 km
Ans. D.

70. Product of digits of a 2-digit number is 72. If we add 9 to the number, the new number obtained a number formed by interchange of the digits. Find the number.
A. 98   B. 89
C. 78   D. 87
Ans. B.

71. If $4x-5(2x-1)>2x+3>2-3x$; then x can take which of the following values ?
A. 1   B. 0
C. 2   D. -3
Ans. B.

72. Refer the below data table answer the following Question.

	Number of employees	Annual salary (in lakhs)	Bonus as percent of annual salary
Manager	1	60	60%
Executive	5	16	30%
Trainee	1	2	20%

What is the average bonus (in rupees) ?
A. 862857   B. 6039999
C. 260000   D. 412000
Ans. A.

73. Refer the below data table answer the following Question.

	2011	2012	2013	2014	2015
Company A	3000	4000	3000	3000	3000
Company B	2000	2000	1000	4000	2000
Company C	4000	3000	1000	3000	1000

For which of the following pairs of years the total exports from the three companies together are equal ?
(Note: Figures given are in lakh rupees)
A. 2011 & 2013   B. 2013 & 2015
C. 2011 & 2012   D. 2014 & 2015
Ans. C.

74. Refer the below data table answer the following Question.

Year	Profit or (-Loss) in Rs. Crore
2011	-25
2012	-20
2013	-5
2014	20
2015	20

What was the total Profit or loss of the company in last 5 years ?
A. Profit of Rs 50 crores
B. Loss of Rs 60 crores
C. Loss pf Rs 50 crores
D. Profit of Rs 60 crores
Ans. C.

75. Refer the below data table answer the following Question.

India's exports in 2015	Value in million US$
Jevellery	1000
Software	725
Cotton	700
Steel	700
Electronics	700

Jewellery was what percent of total exports ?
A. 28.64 percent   B. 31.14 percent
C. 23.64 percent   D. 26.14 percent
Ans. D.

76. Rearrange the parts of the sentence in correct order.
This may be essential at
P-where the market fails to deliver
Q-swath of an economy
R-times , but there is wide
A. QRP   B. QPR
C. PRQ   D. RQP
Ans. D.

77. Improve the bracketed part of the sentences.
A. towards   B. with
C. against   D. no improvement
Ans. D.

78. In the following question, out of the four alternatives, select the alternative which is the best substitute of the phrase.
A. rebel   B. radical
C. demagogue   D. Anarchistic
Ans. C.

79. In the following question, out of the four alternatives, select the alternatives which best expresses the meaning of the idiom/phrase.
A. to risk everything in an all-out effort
B. failure in relationship or partnership
C. loosing all all money in an effort to revive a failing business
D. to start again again failing in a business
Ans. A.

80. In the following question, a sentence has been given in Direct/indirect speech. Out of the four alternatives suggested, select the one, which best express the same sentences in indirect/direct speech.
Kunal said,"Tanu is coming this week,"
A. Kunal says that Tanu was coming that week
B. Kunal says that Tanu was coming this week

C. Kunal says that Tanu was going to be come this week
D. Kunal says that Tanu was coming that week
Ans. A.

81. Select the word with the correct spelling.
A. patterns   B. smudeging
C. dissuade   D. fripery

82. Improve the bracketed part of the sentence.
Usually the climate in the Northern parts of India is cooler (from) the Southern parts.
A. as   B. to
C. than   D. No improvement
Ans. C.

83. In the following question, sentence given with blank is to be filled in with an appropriate word. Select the correct alternative out of the four and indiacate it by selecting the appropriate option.
Jasbir has the...............of a movie star
A. Jinx   B. charisma
C. flash   D. mysticism
Ans. B.

84. Select the antonym of
A. catastrophe   B. miracle
C. decimation   D. holocaust
Ans. B.

85. In the following some part of the sentence may have errors. Find out which part of the sentences has an error and select the appropriate option. If a sentence is free from error, select'No Error'.
The substitution of cream(A)/instead of milk in the recipe(B)/makes for a rich dessert.(C)/No error(D)
A. A   B. B
C. C   D. D
Ans. C.

86. Select the antonym of
A. to retard   B. to spur
C. to impel   D. to propel
Ans. A.

87. Rearrange the parts of the sentences in correct order.
We must urgently
P – ethics that respects, and responds
Q – humanely to, the strangers in our cities
R – and consciously develop a new
A. RQP   B. PQR
C. RPQ   D. QRP
Ans. C.

88. In the following question, a sentences has been given in Active/Passive voice. Out of four alternatives suggested, seect the one, which best expresses the same sentences in Passive/Active voice.
I took the grinder yesterday.
A. The grinder was took by me yesterday
B. The grinder was took by me the day before

C. The grinder had been took by me the day before
D. The grinder was taken by me yesterday
Ans. D.
89. Choose the correct meaning of the idiom/phrase; In the following question, out of the four alternatives, select the alternatives which best expresses the meaning of the idiom/phrase.
To go the extra mile
A. to get an unexpected bonus
B. to make a special effort to achieve something
C. a lose one's way and walk aimlessly
D. a vehicle which is very fuel efficient
Ans. B.
90. In the following question, some part of the sentence may have errors. Find out which part of the sentences has an error and select the appropriate option. If a sentence is free from error, select'No Error'.
The prince and princess(A)/made their way(B)/through the cheering crowd.(C)No error(D)

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

Ans. D.
91. Select the synonym of
Shimmering

A. stolid	B. glinting
C. daft	D. daffy

Ans. B.
92. In the following question, sentence given with blank is to be filled in with appropriate word. Select the correct alternative out of the four and indicate it by selecting the appropriate option.
The enzyme was the...............that triggered the chemical reaction.

A. catalyst	B. support
C. encouragement	D. incitation

Ans. A.
93. Select the word with the correct spelling.

A. addendum	B. atlantise
C. innovate	D. abseiled

Ans. D.
94. In the following question, out of the four alternatives, select the alternatives which is the best substitute of the phrase.
The action of repeating something aloud from memory

A. paraphrase	B. rendition
C. erudition	D. recitation

Ans. D.
95. Select the synonym of

A. lout	B. mediocre
C. done	D. decorous

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.

......................the many existing cyber warfare scenarios, not excluding a coordinated cyber attack that.................sabotage multiple infrastructure assets, erecting proper defences is...............
Anonymity and low cost have meant that.................small disaffected groups- apart from hostile states and official agencies- could....................to cyber techniques.

......................the many existing cyber warfare scenarios

A. Give	B. Given
B. Giving	D. To give

Ans. B.
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.
......................the many existing cyber warfare scenarios, not excluding a coordinated cyber attack that.................sabotage multiple infrastructure assets, erecting proper defences is...............
Anonymity and low cost have meant that.................small disaffected groups- apart from hostile states and official agencies- could....................to cyber techniques.
Coordinated cyber attack that.................sabotage multiple infrastructure assets

A. would	B. should
C. could	D. will

Ans. C.
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.
......................the many existing cyber warfare scenarios, not excluding a coordinated cyber attack that.................sabotage multiple infrastructure assets, erecting proper defences is...............
Anonymity and low cost have meant that.................small disaffected groups- apart from hostile states and official agencies- could....................to cyber techniques.
Erecting proper defences is.................

A. Vital	B. Vitality
C. To vital	D. Vitalness

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.

......................the many existing cyber warfare scenarios, not excluding a coordinated cyber attack that.................sabotage multiple infrastructure assets, erecting proper defences is...............
Anonymity and low cost have meant that.................small disaffected groups- apart

from hostile states and official agencies-could....................to cyber techniques.

Anonymity and low cost have meant that .... small disaffected groups
A. Too   B. Not only
C. Even   D. Both
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.

......................the many existing cyber warfare scenarios, not excluding a coordinated cyber attack that................ sabotage multiple infrastructure assets, erecting proper defences is............... Anonymity and low cost have meant that ....small disaffected groups- apart from hostile states and official agencies-could....................to cyber techniques.

Hostile states and official agencies – could ....to cyber techniques.
A. camp   B. lodge
C. park   D. resort
Ans. D.