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SSC CHSL Tier 1

2016

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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

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16. In a certain code language, 'TAPERECORDER' 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

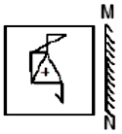
A. 40, 33, 03, 88
B. 99, 23, 56, 00
C. 59, 42, 12, 79
D. 13, 11, 30, 41

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?

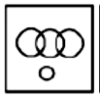


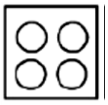
A. 
B. 
C. 
D. 

Ans. D

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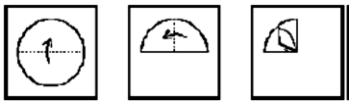
24. Identify the diagram that best represents the relationship among the given classes.
Olympic games, Tennis, Wrestling, Ludo

A.  B. 

C.  D. 

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.



A.  B. 

C.  D. 

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. Echhornia

Ans. D

39. Rukmini Devi Arundale is associated with _____.
A. Kathak B. Bharatnatyam
C. Kuchipudi D. Bhangra

Ans. B

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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 Brahmo 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

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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 11/7 times of Hariram's and Shekhar's is 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. 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 π = 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. $2\sin[(C+D)/2]\cos[(C-D)/2]$
B. $2\cos[(C+D)/2]\sin[(C-D)/2]$
C. $2\sin[(C+D)/2]\sin[(C-D)/2]$
D. $2\cos[(C+D)/2]\cos[(C-D)/2]$
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. ΔDEF and ΔGHI 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 ΔDEF and ΔGHI?
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 required run rate in the remaining 24 overs to reach the target of 294 runs?
A. 7 B. 6.4
C. 7.6 D. 5.8
Ans. B

71. What is the value of $\tan -5\pi/6$?
A. -1/√3 B. 1/√3
C. √3 D. -√3
Ans. B

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

	Number of employees	Annual salary (in lakhs)	Bonus as percent of annual salary
Manager	1	48	40%
Executive	6	16	20%
Trainee	2	2	20%

What is the average bonus (in rupees)?
A. 3920004 B. 220000
C. 228000 D. 435556
Ans. D

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

	2011	2012	2013	2014	2015
Company A	4000	3000	3000	1000	2000
Company B	1000	1000	1000	5000	4000
Company C	1000	1000	4000	2000	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. 2013 & 2014 B. 2013 & 2015
C. 2011 & 2012 D. 2014 & 2015

Ans. A

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

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

What was the total Profit or loss of the company in last 5 years?
A. Profit of Rs 30 crores
B. Loss of Rs 20 crores
C. Loss of Rs 30 crores
D. Profit of Rs 20 crores

Ans. D

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

India's exports in 2015	Value in million US$
Jewellery/जेवर	500
Software/सॉफ्टवेर	850
Cotton/कपास	950
Steel/इस्पात	1000
Electronics/इलेक्ट्रॉनिक्स	875

Electronics was what percent of total exports?
A. 23.46 percent B. 25.96 percent
C. 18.46 percent D. 20.96 percent

Ans. D

76. In the following question, out of the four alternatives, select the alternative which is the best substitute of the phrase.
Open to more than one interpretation; not having one obvious meaning.
A. trite B. opposite
C. exceptional D. ambiguous

Ans. D

77. Select the word with the correct spelling.
A. humanoid B. rikshaw
C. deviance D. virtuos

Ans. C

78. Select the antonym of vibrant
A. drab B. gaudy
C. jazzy D. vivid

Ans. A

79. 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.
If you are caught using a calculator in the exam then it will be _____.
A. taken B. confiscated
C. confisticate D. under possession

Ans. B

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 sentence in Indirect/Direct speech.
"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

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84. Select the word with the correct spelling.
A. bargundy B. panacea
C. revolwer 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

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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. accidently
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

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