

SSC CGL (Tier - A. Online Exam Paper - 2016 "held on
1 September 2016" Morning Shift

(Reasoning)

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

Psychology : Human Being ::

Ornithology : ?

- A. Birds B. Volcanoes
C. Insects D. Reptiles

Ans. A.

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

EGIK : FHJL :: MOQS : ?

- A. LNOQ B. NPRT
C. KMOQ D. NRPT

Ans. B.

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

147 : 741 :: 869 : ?

- A. 896 B. 968
C. 689 D. 986

Ans. B.

4. For the following questions
Find the odd word/letters/number
pair from the given alternatives.

- A. Herb B. Flower
C. Tree D. Shrub

Ans. E.

5. For the following questions
Find the odd word/letters/number
pair from the given alternatives.

- A. JKLM B. NOPQ
C. RSTU D. VWXZ

Ans. D.

6. For the following questions

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

- A. (85, 136) B. (34, 85)
C. (102, 15) D. (63, 16)

Ans. D.

7. Arrange the following words as per
order in the dictionary

1. Organ
2. Origin
3. Orient
4. Organic
5. Organise

A. 1, 5, 3, 4, 2

B. 1, 5, 4, 2, 3

C. 1, 4, 5, 3, 2

D. 1, 4, 5, 2, 3

Ans. C.

8. Which one set of letters when
sequentially placed at the gaps in
the given letter series shall complete
it?

_sr_tr_srs_r_srst_

- A. ttssrr B. tsrtsr
C. strtrs D. tstttr

Ans. D.

9. Find the missing number in the
following series:

43, 172, 86, 344, ?

- A. 172 B. 258
C. 129 D. 430

Ans. A.

10. 'A' is the sister of 'B'. 'B' is married
to 'D'. 'B' and 'D' have a daughter
'G'. How is 'G' related to 'A'?

- A. Sister B. Daughter
C. Niece D. Cousin

Ans. C.

11. Anil is as much younger to Vivek as he is older to Tarun. If the total of the ages of Vivek and Tarun is 48 years, how old is Anil?
A. 26 B. 33
C. 24 D. 18

Ans. C.

12. From the given alternative words, select the word which cannot be formed using the letters of the given word:
CHRONOLOGICAL
A. CALL B. LOGIC
C. CALICO D. ANALOGY

Ans. D.

13. If HOUSE is written as FQSUC , then how can CHAIR be written in that code?
A. DIBJS B. SBJID
C. SHBGD D. AJYKP

Ans. D.

14. If P denotes \div , Q denotes \times , R denotes $+$ and S denotes $-$ then what is the value of $18Q12P4R5S6$
A. 64 B. 53
C. 81 D. 24

Ans. B.

15. If $4 + 3 = 25$, and $8 + 4 = 80$, then, $3 + 2 = ?$
A. 15 B. 10
C. 13 D. 12

Ans. C.

16. Select the missing numbers from the given alternatives

8	32	4
7	?	5
2	6	3

- A. 30 B. 35
C. 20 D. 25

Ans. B.

17. Ramesh starts his journey by walking 2 kilometres towards North. Then he takes a right turn and walks 1 kilometre. Again takes a right turn and walks 2 kilometre. Now which direction is he facing?
A. East B. West
C. South D. North

Ans. C.

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

Statement: Irregularity is a cause for failure in exams. Some regular students fail in the examinations.

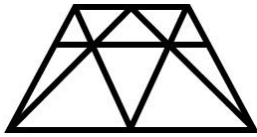
Conclusions:

- I. All failed students are regular.
II. All successful students are not regular.

- A. Only conclusion I follows
B. Only conclusion II follows
C. Both conclusion I and conclusion II follow
D. Neither conclusion I nor conclusion II follows

Ans. D.

19. How many triangles are there in the given figure?

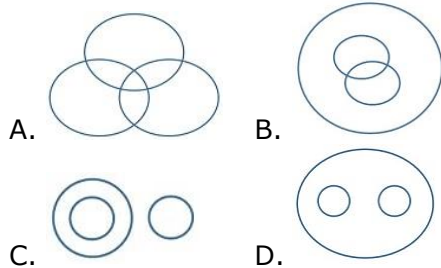


- A. 18 B. 19
C. 20 D. 21

Ans. C.

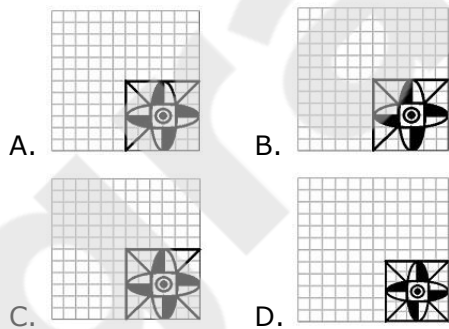
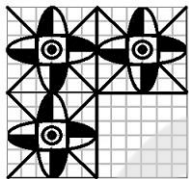
20. Which one of the following figures represents the following relationship:

Birds, Parrots, Bats



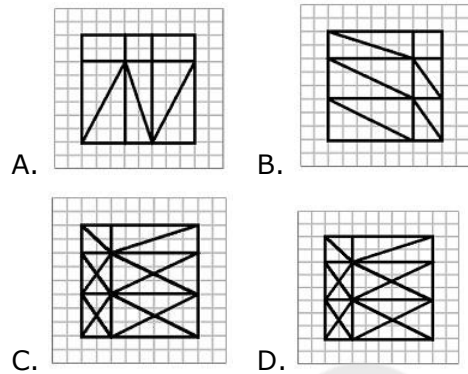
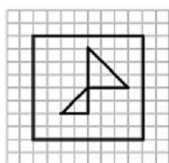
Ans. C.

21. Which answer figure will complete the pattern in the question figure?



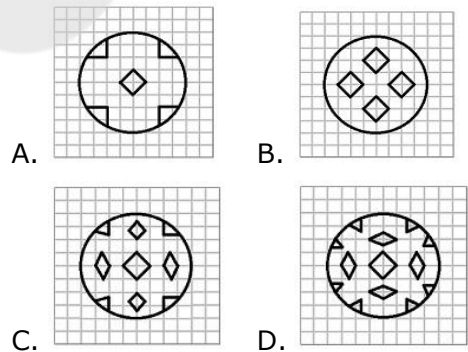
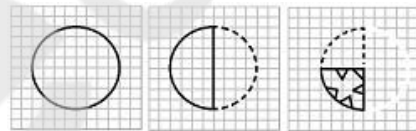
Ans. D.

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



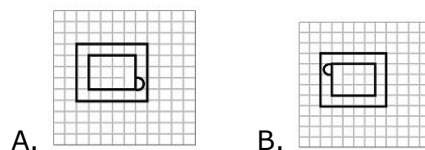
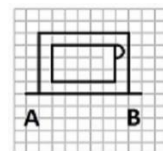
Ans. C.

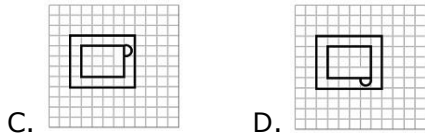
23. A piece of paper is folded and cut as shown below in the question figures. From the given answer figures, indicate how it will appear when opened.



Ans. D.

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





Ans. A.

25. In the 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 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., 'B' can be represented by 00, 13 etc., and 'A' can be represented by 55, 69 etc.

Similarly you have to identify the set for the word 'GIRL'

MATRIX I						MATRIX II					
	0	1	2	3	4		5	6	7	8	9
0	B	N	G	L	D	5	A	I	K	O	R
1	G	L	D	B	N	6	I	K	O	R	A
2	D	B	N	G	L	7	K	O	R	A	I
3	N	G	L	D	B	8	O	R	A	I	K
4	L	D	B	N	G	9	R	A	I	K	O

- A. 02, 56, 97, 24
- B. 31, 79, 68, 42
- C. 23, 97, 77, 11
- D. 11, 88, 95, 23

Ans. C.

(General Awareness)

26. The minimum short-term natural hazard is _____ .
 A. blizzard
 B. earthquake
 C. volcanic eruption
 D. bolt of lightning

Ans. D.

27. DOTS is a treatment given to patients suffering from _____
 A. Polio B. AIDS
 C. Hepatitis D. Tuberculosis

Ans. D.

28. Which dynasty was ruling in Vijaynagar empire at the time of the Battle of Talikota?
 A. Sangam B. Aniridu
 C. Tuluva D. Saluva

Ans. C.

29. Which of the following Sultans died while playing Polo or Chaugan?
 A. Qutb-ud-din Aibak
 B. Balban
 C. Iltutmish
 D. Nasiruddin Muhammad

Ans. A.

30. Molten rock below the surface of the earth is called _____ .
 A. Basalt B. Laccolith
 C. Lava D. Magma

Ans. D.

31. Magnesium is a constituent metal of _____ .
 A. Chlorophyll molecule
 B. DNA
 C. Mitochondria
 D. Ribosomes

Ans. A.

32. Which one among the following components is used as an amplifying device?

- A. Transformer B. Diode
- C. Capacitor D. Transistor

Ans. D.

33. A _____ is an agreement between the communicating parties on how communication is to proceed.

- A. Path B. SLA
- C. Bond D. Protocol

Ans. D.

34. Name the gas used in preparation of bleaching powder

- A. Oxygen B. Hydrogen
- C. Nitrogen D. Chlorine

Ans. D.

35. The depletion in Ozone layer is caused by _____ .

- A. Nitrous oxide
- B. Carbon dioxide
- C. Chlorofluorocarbons
- D. Methane

Ans. C.

36. Sariska and Ranthambore are the reserves for which of the following

- A. Lion B. Deer
- C. Tiger D. Bear

Ans. C.

37. The prestigious 'Jawaharlal Nehru Award for International

Understanding' is instituted by

- A. National Centre for Art and Culture
- B. Department of Youth and Sports
- C. Nehru Memorial Museum

D. Indian Council for Cultural Relations

Ans. D.

38. Phosphorus is kept in water because

- A. its ignition temperature is very high
- B. its ignition temperature is very low
- C. its critical temperature is high
- D. its critical temperature is low

Ans. B.

39. The famous Dilwara temples of Mount Abu are a sacred pilgrimage place for the

- A. Buddhists B. Jains
- C. Sikhs D. Parsis

Ans. B.

40. The unit of measurement of noise is

- A. Decibel B. Hertz
- C. Amplifier D. Acoustics

Ans. A.

41. The commonly used coolant in refrigerators is

- A. Ammonia B. Nitrogen
- C. Freon D. Oxygen

Ans. C.

42. The complete form of 'IC' in electronics is

- A. Internal circuit
- B. Independent circuit
- C. Integrated circuit
- D. Inbuilt circuit

Ans. C.

43. Who among the following did Gandhiji regard as his political Guru?

- A. Mahadev Desai
- B. Dayanand Saraswati

- C. Acharya Narendra Dev
- D. Gopal Krishna Gokhale

Ans. D.

44. Which of the following constitutional Amendment Act, deals with the Elementary Education as a Fundamental Right?
- A. 84th Amendment Act
 - B. 85th Amendment Act
 - C. 86th Amendment Act
 - D. 87th Amendment Act

Ans. C.

45. The World's largest island is
- A. Greenland B. Iceland
 - C. New Guinea D. Madagascar

Ans. A.

46. Sea water is saltier than rain water because
- A. Sea animals are salt producing
 - B. The air around the sea is saltish
 - C. Rivers wash away salts from earth and pour them into the sea
 - D. Sea beds have salt producing mines

Ans. C.

47. Pannalal Ghosh played which of the following musical instruments?

- A. Flute B. Sitar
- C. Violin D. Santoor

Ans. A.

48. Rio Summit is associated with
- A. Convention on Biological Diversity
 - B. Green house gases
 - C. Ozone depletion
 - D. Wet lands

Ans. A.

49. Polyploidy arises due to change in the
- A. number of chromatids
 - B. structure of genes
 - C. number of chromosomes
 - D. structure of chromosomes

Ans. A.

50. Which South Korean author in May 2016 won the 2016 Man Booker International Prize for her novel 'The Vegetarian'?

- A. Han Kang B. Yiyun Li
- C. Tami Hoag D. Taya Zinkin

Ans. A.

(Quantitative Aptitude)

51. A and B together can finish a work in 30 days. They worked for it for 20 days and then B left the work. The remaining work was done by A alone in 20 days more. In how many days can A alone finish the work?

- A. 48 days
- B. 50 days

- C. 54 days
- D. 60 days

Ans. D.

52. The centroid of an equilateral triangle ABC is G. If AB is 6 cms, the length of AG is

- A. $\sqrt{3}$ cm
- B. $2\sqrt{3}$ cm

C. $3\sqrt{2}$ cm

D. $2\sqrt{2}$ cm

Ans. B.

53. A merchant changed his trade discount from 25% to 15%. This would increase selling price by

A. $3\frac{1}{3}\%$

B. $6\frac{1}{6}\%$

C. $13\frac{1}{3}\%$

D. $16\frac{1}{3}\%$

Ans. C.

54. If 177 is divided into 3 parts in the ratio $1/2 : 2/3 : 4/5$, then the second part is

A. 75

B. 45

C. 72

D. 60

Ans. D.

55. If percentage of profit made, when an article is sold for Rs.78, is twice as when it is sold for Rs.69, the cost price of the article is

A. Rs. 49

B. Rs. 51

C. Rs. 57

D. Rs. 60

Ans. D.

56. The ratio between Ram's age and Rahim's age is 10:11. What is the age of Rahim in percentage of Ram's age

A. $109\frac{1}{11}\%$

B. 110%

C. $111\frac{1}{9}\%$

D. 111%

Ans. B.

57. Gautam travels 160 kms at 32 kmph and returns at 40 kmph. Then average speed is

A. 72 kmph

B. 71.11 kmph

C. 36 kmph

D. 35.55 kmph

Ans. D.

58. If $x=3/2$, then the value of $27x^3 - 54x^2 + 36x - 11$ is

A. $11\frac{3}{8}$

B. $11\frac{5}{8}$

C. $12\frac{3}{8}$

D. $12\frac{5}{8}$

Ans. D.

59. If $a + b + c = 6$ and $ab + bc + ca = 1$, then the value of $bc(b + c) + ca(c + a) + ab(a + b) + 3abc$ is

A. 33

B. 66

C. 55

D. 23

Ans. B.

60. If the angles of a triangle are in the ratio of 2:3:4, then the difference of the measure of greatest angle and smallest angle is

A. 20°

B. 30°

C. 40°

D. 50°

Ans. C.

61. In ΔABC , $\angle A = 90^\circ$, $AD \perp BC$ and $AD = BD = 2$ cm. The length of CD is

A. 3 cm

B. 3.5 cm

C. 3.2 cm

D. 2 cm

Ans. D.

62. If $\tan 45^\circ = \cot \theta$, then the value of θ , in radians is

A. π

B. $\pi/9$

C. $\pi/2$

D. $\pi/12$

Ans. B.

63. $(2^{51} + 2^{52} + 2^{53} + 2^{54} + 2^{55})$ is divisible by

A. 23

B. 58

C. 124

D. 127

Ans. C.

64. The average of 12 numbers is 9. If each number is multiplied by 2 and added to 3, the average of the new set of numbers is

- A. 9 B. 18
C. 21 D. 27

Ans. C.

65. If $\left(a + \frac{1}{a}\right)^2 = 3$, then the value of $a^6 - \frac{1}{a^6}$ will be

- A. 1 B. 3
C. 0 D. 2

Ans. C.

66. If $\frac{\sqrt{2+x} + \sqrt{2-x}}{\sqrt{2+x} - \sqrt{2-x}} = 2$, the value of x is

- A. 4/5 B. 3/5
C. 8/5 D. 1/5

Ans. C.

67. The perimeter of two similar triangles ABC and PQR are 36 cms and 24 cms respectively. If PQ = 10 cm then the length of AB is

- A. 18 cm B. 12 cm
C. 15 cm D. 30 cm

Ans. C.

68. In a triangle ABC, AB = 8 cm, AC = 10 cm and $\angle B = 90^\circ$, then the area of ΔABC is

- A. 49 sq.cm B. 36 sq.cm
C. 25 sq.cm D. 24 sq.cm

Ans. D.

69. ABC is a triangle If $\sin\left(\frac{A+B}{2}\right) = \frac{\sqrt{3}}{2}$, then the value of $\sin\frac{C}{2}$ is

- A. $\frac{1}{\sqrt{2}}$ B. 0
C. $\frac{1}{2}$ D. $\frac{\sqrt{3}}{2}$

Ans. C.

70. The compound interest on Rs. 64,000 for 3 years, compounded annually at 7.5% p.a. is

- A. Rs. 14,400
B. Rs. 15,705
C. Rs. 15,507
D. Rs. 15,075

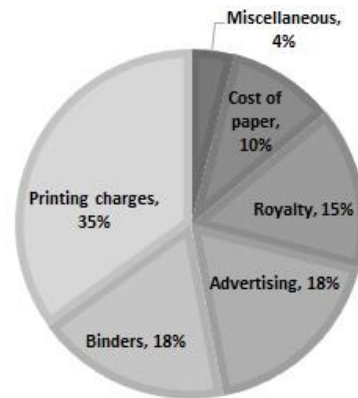
Ans. C.

71. The angles of elevation of the top of a temple, from the foot and the top of a building 30 m high, are 60° and 30° respectively. Then height of the temple is

- A. 50 m B. 43 m
C. 40 m D. 45 m

Ans. D.

72. Study the pie-chart given and answer the following questions.



If the miscellaneous charges are Rs. 6000, then the advertisement charges are

- A. Rs.12000 B. Rs.27000
C. Rs.90000 D. Rs.25000

Ans. B.

Ans. A

81. In the following questions, one part of the sentence may have an error. Find out which part of the sentence has an error and click the button corresponding to it. If the sentence is free from error, click the "No error" option.

Vermin (A) / does much harm (B) / to crops (C) / No Error (D)

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

Ans. B

82. The sentences given with blanks are to be filled with an appropriate word(s). Four alternatives are suggested for each question. For each question, choose the correct alternative and click the button corresponding to it.

Light is _____ than sound.

- A. faster B. more faster
C. sounder D. lighter

Ans. A.

83. The sentences given with blanks are to be filled with an appropriate word(s). Four alternatives are suggested for each question. For each question, choose the correct alternative and click the button corresponding to it.

The man _____ for the purpose never did what was expected of him.

- A. supplied B. favoured
C. employed D. cited

Ans. C.

84. The sentences given with blanks are to be filled with an appropriate word(s). Four alternatives are suggested for each question. For each question, choose the correct alternative and click the button corresponding to it.

There was a serious _____ between the two brothers.

- A. altercation B. alteration
C. aberration D. altieration

Ans. A.

85. In each of the questions, four alternatives are given for the Idiom/Phrase. Choose the alternative which best expresses the meaning of the Idiom/Phrase and click the button corresponding to it.

To give oneself airs

- A. Space to breathe
B. Time
C. Acting strange
D. Behaving arrogantly

Ans. D.

86. In each of the questions, four alternatives are given for the Idiom/Phrase. Choose the alternative which best expresses the meaning of the Idiom/Phrase and click the button corresponding to it.

At a stone's throw

- A. At a short distance
B. At a place where quarrels take place
C. At a great distance

D. A quarry

Ans. A.

87. In each of the questions, four alternatives are given for the Idiom/Phrase. Choose the alternative which best expresses the meaning of the Idiom/Phrase and click the button corresponding to it.

Bone of contention

- A. A delicious non-vegetarian item
- B. An item which made them content
- C. Cause for quarrel
- D. A link between them

Ans. C.

88. Out of the four alternatives, choose the one which can be substituted for the given words/sentences and click the button corresponding to it.

A person who has lost the protection of the law

- A. Outlaw
- B. Immigrant
- C. Outcast
- D. Orphan

Ans. A.

89. Out of the four alternatives, choose the one which can be substituted for the given words/sentences and click the button corresponding to it.

Falsification of documents etc.

- A. Xeroxing
- B. Forgery
- C. Laminating
- D. Copying

Ans. B.

90. Out of the four alternatives, choose the one which can be substituted for the given words/sentences and click the button corresponding to it.

To make atonement for one's sins

- A. Expiate
- B. Renounce
- C. Remonstrate
- D. Recant

Ans. A.

91. A sentence/a part of the sentence is underlined. Four alternatives are given to the underlined part which will improve the sentence. Choose the correct alternative and click the button corresponding to it. In case no improvement is needed, click the button corresponding to "No improvement".

The boys absented themselves for two days.

- A. were absented
- B. absented
- C. had absented
- D. No improvement

Ans. D.

92. A sentence/a part of the sentence is underlined. Four alternatives are given to the underlined part which will improve the sentence. Choose the correct alternative and click the button corresponding to it. In case no improvement is needed, click the button corresponding to "No improvement".

My mother insists on setting up something everyday for charity.

- A. on
- B. in
- C. aside
- D. No improvement

Ans. C.

93. A sentence/a part of the sentence is underlined. Four alternatives are given to the underlined part which will improve the sentence. Choose the correct alternative and click the button corresponding to it. In case no improvement is needed, click the button corresponding to "No improvement".

He began on a new business venture.

- A. embarked
- B. begun
- C. opened
- D. No improvement

Ans. A.

94. A sentence/a part of the sentence is underlined. Four alternatives are given to the underlined part which will improve the sentence. Choose the correct alternative and click the button corresponding to it. In case no improvement is needed, click the button corresponding to "No improvement".

I have to say them the truth.

- A. tell
- B. state
- C. speak
- D. No improvement

Ans. A.

95. A sentence/a part of the sentence is underlined. Four alternatives are given to the underlined part which will improve the sentence. Choose the correct alternative and click the button corresponding to it. In case no improvement is needed, click the

button corresponding to "No improvement".

The SSB will interview the candidate between 11 a.m. and 3.00 p.m.

- A. 11.00 am to 3 pm
- B. 11.00 from 3 pm
- C. 11.am by 3.00 pm
- D. No improvement

Ans. D.

A passage is given with 5 questions following it. Read the passage carefully and choose the best answer to each question out of the four alternatives and click the button corresponding to it.

Settled life and cultivation gave man leisure; he had no longer to always think of getting food. During spare time he could make stone tools, hoes or pots and weave cloth. Some people spared from producing their own food could even devote themselves to other activities all the time. This resulted in a division of labour. The division of labour made it possible for various groups to specialize, that is, to acquire greater skill and learn better techniques in doing one kind of work.

The settled community life needed rules to regulate the behaviour of the members of the community. It is not possible to know exactly how regulations were established. It appears that the decisions regarding the community were taken by the

people as a whole, or by a council of elders, as is in the practice in tribal societies. There were perhaps no kings or any organized government. Most likely, there were chiefs elected by the community for their qualities of leadership. But, these chiefs could not pass their positions on to their sons and they enjoyed few special privileges. Archaeological excavations have not revealed anything which would indicate the prevalence of a higher status for some members of the community. This is also supported by the study of life in many tribes in modern times. Thus, social inequalities do not seem to have emerged even in Neolithic times.

96. What did man do in his spare time?

- A. Made stone tools
- B. Made hoes or pots
- C. Weave cloth
- D. All of the above

Ans. D.

97. In the passage, "division of labour" means?

- A. Specialization to acquire greater skills
- B. Learning arithmetic
- C. Working in groups
- D. Working from home

Ans. A.

98. To which period do the Neolithic times refer:

- A. Later part of the Stone Age
- B. Early part of the Stone Age
- C. Later part of the Ice Age
- D. Medieval times

Ans. A.

99. Chiefs were elected by the community for their

- A. age
- B. qualities of leadership
- C. responsibility and courage
- D. trust and loyalty

Ans. B.

100. The meaning of 'privilege' is

- A. allowance B. favour
- C. benefit D. interest

Ans. C.