

DO NOT OPEN THE SEAL OF THE BOOKLET UNTIL YOU ARE TOLD TO DO SO

EXAM ID. - 5976

SSC CGL

TEST SERIES

DATE - __/__/__

DAY -

INSTRUCTION FOR CANDIDATE

TEST SERIES NO.

A - 101

QUESTION – 100

MARKS – 200

NEGATIVE MARK – 0.50

DURATION –60 MIN.

1. Use only ball pens with black or blue ink
2. As soon as the examination starts, you must check this question booklet and if there is any unprinted, mutilated or partially printed page or question in it, then replace it with the correct question booklet through Abhijagar.
3. There are total 100 questions in this question booklet.
4. This is an objective test, in which four options are given for the answer to each question, you have to choose only one option with the correct answer out of these four options.
5. Answers to all questions are to be written on separate answer sheets.
6. Instructions for filling the answer sheet are written on the back side of the answer sheet, read them carefully before filling the answer sheet.
7. Blank pages are available in this question booklet for rough work.
8. Candidates cannot leave the room before the end of the examination.
9. After the examination is over, you can go out with his permission by submitting the ORIGINAL COPY of the answer sheet to the invigilator.
10. After the completion of the examination, the candidate is allowed to take the question booklet and answer sheet with him/her.
11. 2 marks will be given for each correct answer and 0.50 marks will be deducted for each wrong answer.



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REASONING

1. Select the option that represents the letters that when placed from left to right in the blanks below will complete the letter series.

AA _ D _ F _ AC _ E _ A _ _ D _ F _ ACD _ F

- a. CAFDFAACEE b. CEADFACEAE
c. ACDAFACEAE d. CEAFDACEAC

2. Select the set in which the numbers are related in the same way as are the numbers of the given sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)
(17, 29, 46)
(24, 36, 60)

- a. (36, 46, 81) b. (29, 41, 64)
c. (21, 33, 54) d. (48, 52, 98)

3. If – means +, × means ÷, ÷ means –, + means ×, what will come in place of the question mark (?)?
 $76 \times 4 + 13 \div 8 - 3 = ?$

- a. 236 b. 212
c. 108 d. 242

4. In a certain code language, 'SO' is written as '34' and 'BED' is written as '11'. How will 'MOAN' be written in that language?

- a. 43 b. 99
c. 86 d. 23

5. Which of the following numbers will replace the question mark (?) in the given series?

98, 99, 107, ?, 198

- a. 154 b. 148
c. 146 d. 134

6. Select the option in which the given figure is embedded (rotation is NOT Allowed).



- a. b.
- c. d.

7. Select the option that is related to the fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster.

DUNE: BGSXLQCH :: NEED: LQCHCHBG :: KING: ?

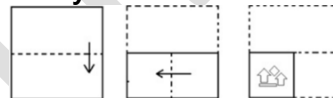
- a. GLLQEJIN b. NGLLQEJI
c. INGLLQEJ d. LLQEJING

8. Select the set in which the numbers are related in the same way as are the numbers of the given sets.

(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)
(23, 25, 16)
(21, 17, 256)

- a. (14, 19, 125) b. (27, 23, 64)
c. (18, 15, 81) d. (11, 9, 12)

9. The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown below. Choose the figure that would most closely resemble the unfolded form of the paper.



- a. b.
c. d.

10. Six people are sitting in two parallel rows with 3 people each in such a way that there is equal distance between adjacent persons. S, T and U are seated in the same row facing south. X, Y and Z are seated in the same row facing north. U sits at the extreme right end of their row and is exactly opposite X. T is the immediate neighbour of U and sits exactly opposite Z. Who sits at the extreme right end of the row facing North?

- a. Z b. Y
c. U d. X

11. Select the option in which the given figure is embedded (rotation is NOT Allowed).



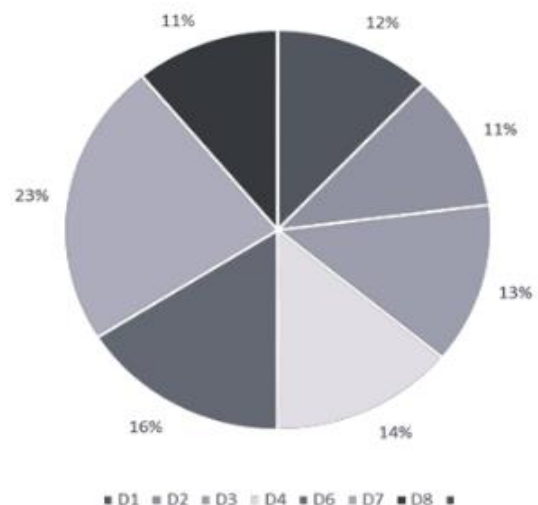
- a. Banking method b. Expenditure method
c. Product method d. Income method
- 40. The term 'Parliament' refers to the _____.**
a. Rajya Sabha b. Lok Sabha
c. State legislature d. National legislature
- 41. Which veteran playback singer was recently honored with the Lata Mangeshkar Award?**
a. Sonu Nigam b. Suresh Wadekar
c. Udit Narayan d. Kumar Sanu
- 42. Which country will introduce 5-year multiple-entry visa for Indian tourists in February 2024 to enhance travel and economic ties?**
a. Dubai b. Oman
c. Saudi Arabia d. Iran
- 43. Who received the Edith and Peter O'Donnell Award for revolutionary imaging technology?**
a. Dr. Nitasha Kaul b. Ashok Veeraraghavan
c. Dr. Ajay Kumar d. Rakesh Kapoor
- 44. In Golgi apparatus, the maturing face is:**
a. spherical b. convex
c. bi-concave d. concave
- 45. Raja Ram Mohan Roy founded a reform association known as Brahma Sabha which was later known as _____.**
a. Dev Samaj b. Arya Samaj
c. Brahma School d. Brahma Samaj
- 46. _____ part of xylem tissue in plants stores food.**
a. Vessels b. Xylem fibres
c. Xylem parenchyma d. Tracheids
- 47. Election Commission signed Memorandum of Understanding (MoU) with which two organizations for voter outreach?**
a. Indian Banks Association (IBA) and Department of Posts (DoP) b. Department of Telecommunications (DoT) and All India Radio (AIR)
c. Indian Banks Association (IBA) and Department of Telecommunications (DoT) d. Department of Posts (DoP) and All India Radio (AIR)
- 48. In which of the following Indian states, Harappan cities have NOT been found?**
a. Uttarakhand b. Gujarat
c. Rajasthan d. Haryana

- 49. Burning of coal is an example of _____.**
a. decomposition reaction b. double displacement reaction
c. Combustion reaction d. displacement reaction
- 50. The foremost right among rights to freedom is _____.**
a. Right to life and personal liberty b. Preventive detention
c. Freedom to assemble d. Right to freedom of speech and expression

MATHEMATICS

- 51. By selling a car for Rs.2,78,000, a dealer gains 25%. If the profit is reduced to 18%, then the selling price will be:**
a. Rs.2,62,432 b. Rs.2,65,432
c. Rs.2,72,432 d. Rs.2,60,432
- 52. A and B together can do a piece of work in 50 days. If A is 40% less efficient than B, in how many days can A working alone complete 60% of the work?**
a. 70 b. 110
c. 80 d. 105
- 53. The following pie chart shows the spending of a country on tourism in various states during the year 2012. Total spending of the country =Rs. 49,62,000**

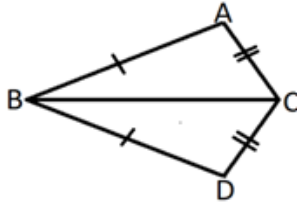
Chart showing spending of a country on tourism in various states during the year 2012



The amount spent on state together D1 and D4 exceeds that spend on together D2 and D8 by:

- a. Rs. 1,89,760 b. Rs. 1,97,890
c. Rs. 1,98,480 d. Rs. 1,78,960

54. In the given figure, $AB=DB$ and $AC=DC$. If $\angle ABD=58^\circ$ and $\angle DBC=(2x-4)^\circ$, $\angle ACB=(y+15)^\circ$ and $\angle DCB=63^\circ$, then the value of $2x+5y$ is:



- a. 325 b. 273
c. 259 d. 268
55. Three numbers are in the ratio of 2:3:5 and their LCM is 90. Find their HCF.
- a. 9 b. 1
c. 6 d. 3

56. Study the given table and answer the question that follows.

The table shows the number of customers for different services in different cities.

City → Services ↓	X	Y	Z
A	250	175	350
B	220	190	240
C	260	200	270
D	245	185	330

In which service is the average number of customers per city the highest?

- a. C b. A
c. D d. B
57. On simple interest a sum of Rs.640 becomes Rs.832 in 2 years. What will Rs.860 become in 4 years at the same rate of simple interest?

- a. Rs. 1,250 b. Rs.1,376
c. Rs.1,426 d. Rs.1,150

58. If $x + \frac{1}{x} = 8$, then find the value of $\frac{5}{x^2 - 8x + 2}$

- a. 3 b. 4
c. 0 d. 5

59. The average weight of 49 students in a class is 39 kg. Seven of them whose average weight is 40 kg leave the class and other seven students whose average weight is 54 kg join the class. What is the new average weight (in kg) of the class?

- a. 41 b. 39
c. 42 d. 40

60. Study the given below and answer the questions that follows.

देश	परीक्षकों की संख्या	सकारात्मक मामले	रोगियों की संख्या वेंटिलेटर के लिए
अमेरिका	14000	12%	20%
स्पेन	12000	8%	12.50%
इटली	10000	12%	16%
चीन	10000	11%	15%

According to the table given above, which country has the maximum number of positive cases?

- a. The US b. China
c. Spain d. Italy

61. If $\tan A + \cot A = 2$ then the value of $2(\tan^2 + \cot^2)$ is

- a. 1 b. 4
c. 2 d. 3

62. A shopkeeper gives two successive discounts on a watch marked 2,750. The first discount given is 10%. If the customer pays 2,103.75 for the watch, then what is the second discount?

- a. 15% b. 30%
c. 12% d. 10%

63. Which of the following numbers are divisible by 2, 3 and 5?

- a. 5467760 b. 1345678
c. 2345760 d. 2456732

64. Two trains P and Q start from stations S and T towards each other. Train P takes 4 hours 48 minutes and train Q takes 3 hours 20 minutes to reach T and S, respectively, after they meet. If the speed of train P is 45 km/h, what is the speed of train Q?

- a. 48 km/h b. 50 km/h
c. 54 km/h d. 55 km/h

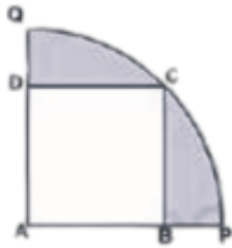
65. If $\frac{1 - \cos \theta}{\sin \theta} = \frac{1}{5}$, then what will be the value of $\frac{(1 + \cos \theta)}{\sin \theta}$

- a. 5 b. 2/5
c. 4/5 d. 1/5

66. If $K + \frac{1}{K} = 3$, then what is the value of $\frac{1}{K^3} + K^3$

- a. 36 b. 10
c. 18 d. 54

67. In the given figure, a square ABCD is inscribed in a quadrant APCQ. If $AB=16\text{cm}$. Find the area of the shaded region. (take π) correct to two places of decimal.



- a. 155.98 cm^2 b. 179.68 cm^2
 c. 163.85 cm^2 d. 145.92 cm^2
68. O is the incentre of the triangle PQR. If angle POR = 140 degree, then what is the angle PQR?
 a. 40 degree b. 140 degree
 c. 100 degree d. 70 degree
69. If the side of an equilateral triangle is 20 cm, then what is its area?
 a. $110\sqrt{3} \text{ cm}^2$ b. $125\sqrt{3} \text{ cm}^2$
 c. $200\sqrt{3} \text{ cm}^2$ d. $100\sqrt{3} \text{ cm}^2$
70. Which of the following statement is correct?
 I. The value of $100^2 - 99^2 + 98^2 - 97^2 + 96^2 - 95^2 + 94^2 - 93^2 + \dots + 2^2 - 1^2$ is 5050
 II. If $8x + \frac{8}{x} = -16$ and $x < 0$, then the value of $x^{197} + x^{-197}$ is $2 \cdot X$
 a. Only I b. Only II
 c. Both I and II d. Neither I nor II
71. If $\sin A = 4/5$ and $\sin B = 15/17$ what is the value of $\sin(A-B)$?
 a. $-32/45$ b. $-13/85$
 c. $13/85$ d. $32/45$
72. From the circumcentre L of $\triangle XYZ$, perpendicular LM is drawn on side YZ. If $\angle YXZ = 60^\circ$, then the measure of $\angle YLM$ is:
 a. 60° b. 120°
 c. 180° d. 90°
73. The number of books on Mathematics, Physics and Chemistry in a University library is in the ratio 8:5:9. There is a proposal to increase these books by 10%, 5% and 5% respectively. What will be the ratio of the number of books after increment?
 a. $212 : 117 : 47$ b. $37 : 47 : 83$
 c. $176 : 105 : 189$ d. $189 : 115 : 117$
74. Ratio between the present ages of A and B is 2:3, respectively. After 5 years, the ratio between their ages will be 3: 4. What is B's age at present?
 a. 20 years b. 15 years
 c. 10 years d. 25 years

75. Who scored the last marks in aggregate of all the subjects?

Name of the student	SUBJECT		
	English	Hindi	Maths
A	54	65	67
B	52	88	78
C	48	48	67
D	41	87	60
E	74	70	55

- a. D b. E
 c. A d. C

ENGLISH

76. In the following question, out of the four alternatives, select the alternative which will improve the underlined part of the sentence. In case no improvement is needed, select 'no improvement'.
 Kareena Ma'am was the best coach of cricket and students used to loved her so much.
 a. Was a better coach of b. Was a good coach of all
 c. Was better than coach of d. No improvement
77. Out of the following alternatives chose the one that best expresses the opposite meaning of the given word.
Precedent
 a. Successful b. Failure
 c. Subsequent d. Antecedent
78. Select the alternative that best expresses the meaning of the given idiom/phrase.
Brown study
 a. Study in the daytime b. Study in the night time
 c. Daydreaming or reverie d. Thinking practically and rationally
79. Select the most appropriate option to fill in the blank.
 Mangoes taste _____ when they are grown organically in farms.
 a. Sweet b. Sweetly
 c. More sweetly d. Most sweetly
80. Out of the following alternatives chose the one that best expresses the similar meaning of the given word.
Sham
 a. Humiliation b. Pretend
 c. Learn d. Understand

81. A sentence has been given in direct/indirect speech. Out of the four alternatives suggested, select one which best expresses the same sentence in indirect/direct speech.
Rajeev said to Meera, "You are the daughter of my grandfather's only son."
- a. Rajeev told Meera that she is the daughter of his grandfather's only son. b. Rajeev told Meera that she was the daughter of his grandfather's only son.
- c. Rajeev told Meera that she had been the daughter of his grandfather's only son. d. Rajeev told Meera that she has been the daughter of his grandfather's only son.
82. A sentence has been given in Active/Passive voice. Out of the four alternatives suggested, select one which best expresses the same sentence in passive/active Voice.
Why are you buying these sour mangoes for your children?
- a. Why are these sour mangoes being bought by you for your children? b. Why were those sour mangoes being bought by you for your children?
- c. Why are these sour mangoes been bought by you for your children? d. Why are these sour mangoes had being bought by you for your children?
83. A sentence has been given in Active/Passive voice. Out of the four alternatives suggested, select one which best expresses the same sentence in passive/active Voice.
I am being told by the teachers that I will be failed this year.
- a. The teachers are telling me that I will be failed this year. b. The teachers were telling me that I will be failed that year.
- c. The teachers are been telling me that I will be failed this year. d. The teachers are being told me that I will be failed this year.
84. Out of the following alternatives chose the one that best expresses the similar meaning of the given word.
Dilettante
- a. Mocking b. Serious
- c. Dabbler d. Sincere
85. Out of the following alternatives chose the one that best expresses the opposite meaning of the given word.
Samaritan
- a. Humanitarian b. Benevolent
- c. Selfish d. Sanctimonious
86. The following sentence has been divided into parts. One of them contains an error. Select the part that contains the error from the given four options.
The teacher was not /telling the story loudly/ so we could not hear what he was saying /no error
- a. The teacher was not b. telling the story loudly
- c. so we could not hear what he was saying d. no error
87. Select the word that is spelt incorrectly from the following options.
- a. Philanderer b. Somnambulist
- c. Somnaloquist d. Sadist
88. A sentence/passage has been divided into four parts in jumbled form, arrange the sentences in correct order to form a meaningful sequence and select the correct sequence from the following options.
P) Of the Seven Wonders of the Ancient World, and the only one to remain largely intact.
Q) Built in the early 26th century BC during a period of around 27 years, the pyramid is the oldest
R) As part of the Giza pyramid complex, it borders present-day Gizain Greater Cairo, Egypt.
S) The Great Pyramid of Giza is the biggest Egyptian pyramid and the tomb of Fourth Dynasty pharaoh Khufu.
- a. PQRS b. SRPQ
- c. SQPR d. RQPS
89. In the following question, out of the four alternatives, select the alternative which will improve the underlined part of the sentence. In case no improvement is needed, select 'no improvement'.
Your parents did not live in Liverpool didn't they?
- a. Weren't they? b. Were they?
- c. Did they? d. No improvement.
90. Select the most appropriate option to fill in the blank.
The mother made the daughter _____ the meal for dinner.
- a. To cook b. Cooking
- c. Cook d. Cooked
91. In the following question, out of the four alternatives, select the alternative which will improve the underlined part of the sentence. In case no improvement is needed, select 'no improvement'.
It is the stars that guides our destiny through ups and downs of life according to astrologers.
- a. The star that guide b. The starts that guide
- c. The star that are guiding d. No improvement

92. Select the correct one word from the given alternatives for the following set of words.

A boastful fellow

- a. Stoic
- b. Swashbuckler
- c. Teetotaler
- d. Termagant

93. Select the correct one word from the given alternatives for the following set of words.

One that is brilliant performer on stage

- a. Virtuoso
- b. Verbose
- c. Veteran
- d. Virtual

94. Select the correct meaning of the underline phrase from the given sentence.

Janaki brought up the topic into the meeting and said we should focus on this issue as well.

- a. Understood
- b. Learned
- c. Told
- d. Introduced

95. Select the sentence which has correct usage of adjective/adverb/verb/tense etc.

- a. The train was so good than the car
- b. The train was as better as the car
- c. The train was as good as the car
- d. The train was better as the car

96. (QUES : 96 – 100) In the following passage some words have been deleted from the passage, select the correct word to fill the blanks with the help of given alternatives.

Scientific innovations or technology is the most amazing thing that can ever happen to humankind. In this modern world, technology is no more a luxury, and it has become a 96_____. Life without technology is next to impossible but humans have become 97_____ on technological advancements. For every human activity, we need a machine, and then there 98_____ technology. It has made all our lives easier and more convenient, making transportation, education, labor, etc., 99_____ accessible. Technological breakthroughs change from time to time in today's fast-paced, ever-changing world. However, in today's world, technology plays a critical role in 100_____ a country's economy and people's lives.

Select the correct option for the fill in the blank no 96.

- a. Necessity
- b. Necessary
- c. Necessarily
- d. Most necessary

97. Select the correct option for the fill in the blank no 97.

- a. Independent
- b. Modern
- c. Useful
- d. Dependent

98. Select the correct option for the fill in the blank no 98.

- a. Has came
- b. Coming
- c. Been come
- d. Comes

99. Select the correct option for the fill in the blank no 99.

- a. Most
- b. Many
- c. More
- d. Much

100. Select the correct option for the fill in the blank no 100.

- a. Weakening
- b. bringing
- c. Strengthening
- d. Enlightening