PREVIOUS YEAR PAPER

SSC CGL 2016 Tier I — 11 September 2016, Shift 2

SSC CGL · 11 September 2016 · 1:15 PM - 2:30 PM

82 of the paper's 100 questions · +2 for a correct answer, −0.5 for a wrong one · 75 minutes

Left out of the original paper: 18 (any question that needs a figure or formatting we cannot show, has no answer in the response sheet, or could not be checked against a second copy of the paper).

Questions from the Staff Selection Commission's paper of 11 September 2016, 1:15 PM - 2:30 PM. Each question is followed by its answer, and the answer key is repeated on the last page.

Take it as a timed practice test: exambharo.com/ssc-cgl/previous-year-papers/ssc-cgl-2016-tier-1-11-sep-shift-2/

General Intelligence and Reasoning

1. Select the related word/letters/number from the given alternatives. Maharashtra:India::Texas:?
   (a) Canada
   (b) Mexico
   (c) Brazil
   (d) USA
   Answer: (d)

2. Select the related word/letters/number from the given alternatives. JK:QR::____?:____?
   (a) ST:UV
   (b) WX:ZY
   (c) BC:IJ
   (d) MN:OR
   Answer: (c)

3. Select the related word/letters/number from the given alternatives. 72:90::156:?
   (a) 184
   (b) 168
   (c) 182
   (d) 176
   Answer: (c)

4. Find the odd word/letters/number pair from the given alternatives. (A) Square (B) Sphere (C) Rectangle (D) Circle
   (a) A
   (b) B
   (c) C
   (d) D
   Answer: (b)

5. Find the odd word/letters/number pair from the given alternatives. (A) AE (B) CG (C) JN (D) MO

(a) A

(b) B

(c) C

(d) D

Answer: (d)

6. Find the odd word/letters/number pair from the given alternatives. (A) 4-16 (B) 8-24 (C) 14-26 (D) 16-36

(a) A

(b) B

(c) C

(d) D

Answer: (c)

7. Arrange the following words as per order in the dictionary.
1. Stilt 2. Stifle 3. Stink 4. Stingy

(a) 3,4,2,1

(b) 1,3,4,2

(c) 2,1,4,3

(d) 2,3,4,1

Answer: (c)

8. A series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series. CL,HQ,MV,?

(a) RA

(b) QZ

(c) SB

(d) TC

Answer: (a)

9. Which number will complete the series?
11,13,17,19,23,25,_____

(a) 25

(b) 27

(c) 29

(d) 31

Answer: (c)

10. Introducing a man, a woman said that, "He is the son of my mother's brother's father's son." Then how is the woman related to the man?

(a) Nephew

(b) Brother

(c) Son

(d) Cousin

Answer: (d)

11. Ram leaves his house at 20 mins to seven in the morning, reaches Kunal's house in 25 mins. They finish their breakfast in another 15 mins and leave for their office which takes another 35 minutes. At what time do they leave Kunal's house to reach their office?

(a) 7:40 A.M

(b) 7:20 A.M

(c) 7:45 A.M

(d) 8:15 A.M

Answer: (b)

12. From the given alternative words, select the word which cannot be formed using the letters of the given word: LEGALIZATION

(a) ALERT

(b) ALEGATION

(c) GALLANT

(d) NATAL

Answer: (a)

13. If DECEMBER is coded as EDECBMRE then FEBRUARY will be coded as

(a) EFRBUAYR

(b) EFBRAUYR

(c) EFRBUARY

(d) EFRBAUYR

Answer: (d)

14. If, 6×4= 12 4×12= 24 12×6= 36 then 6×9= ?

(a) 35

(b) 24

(c) 27

(d) 31

Answer: (c)

17. Sunita travels 6 Km towards north east. Then travels 9 Km towards west. From there, she goes 6 Km south-west and finally goes 3 Km towards east. How far is she from her initial position?

(a) 3 Km

(b) 6 Km

(c) 9 Km

(d) 12 Km

Answer: (b)

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:I Some bags are pockets. Statement:II No pocket is a pouch. Conclusion:I Some bags are not pouches. Conclusion:II Some pockets are bags.

(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

Answer: (c)

20. In a group of 50 students, 25 play Hockey, 30 play Football, and 8 play neither game. What is the number of students who play both Hockey and Football?

(a) 10

(b) 11

(c) 12

(d) 13

Answer: (d)

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 coloumn,e.g., A can be represented by 02,14,40, etc., and P can be represented by 56,75,87 etc. You have to identify the set for the word 'TAKE'.

(a) 23, 21, 85, 95

(b) 30, 33, 87, 88

(c) 04, 33, 66, 99

(d) 11, 21, 85, 86

Answer: (a)

General Awareness

26. Which Governor General decided to make English as the medium of instruction in India?

(a) Lord Wellesley

(b) Lord Hardinge

(c) Lord Dalhousie

(d) Lord William Bentinck

Answer: (d)

27. Who among the following is a renowned campaigner against manual scavenging who was recently conferred with the prestigious Magsaysay award?

(a) T.M. Krishna

(b) Bezwada Wilson

(c) Anshu Gupta

(d) Sanjiv Chaturvedi

Answer: (b)

28. An indifference curve measures _____ level of satisfaction derived from different combinations of commodity X and Y.

(a) same

(b) higher

(c) lower

(d) minimum

Answer: (a)

29. Who among the following was the first to make use of artillery in warfare in medieval India?

(a) Babur

(b) Ibrahim Lodi

(c) Sher Shah Suri

(d) Akbar

Answer: (a)

30. Person who is colour-blind cannot distinguish between

(a) Black and yellow

(b) Red and green

(c) Yellow and white

(d) Green and blue

Answer: (b)

31. During the motion of a projectile fired from the earth surface, _____

(a) its kinetic energy remains constant

(b) its momentum remains constant

(c) vertical component of its velocity remains constant

(d) horizontal component of its velocity remains constant

Answer: (d)

32. Which of the following waves cannot be polarised?

(a) Radio

(b) Ultra violet

(c) Infrared

(d) Ultrasonic

Answer: (d)

33. Of the following commonly used materials, the one that is not an alloy is
    (a) Steel
    (b) Brass
    (c) Bronze
    (d) Copper

    Answer: (d)

34. "Himayat" is a training cum-placement programme for unemployed youth in the State of
    (a) Haryana
    (b) Punjab
    (c) Jammu and Kashmir
    (d) Himachal Pradesh

    Answer: (c)

35. "Agha Khan Cup" is associated with the game of
    (a) Cricket
    (b) Football
    (c) Lawn Tennis
    (d) Hockey

    Answer: (d)

36. Absolute Zero is defined as
    (a) The temperature at which all molecular motic eases
    (b) At which water boils at 298K
    (c) At which liquid Helium boils
    (d) At which the volume becomes zero

    Answer: (a)

37. Nitrogen fixation is a process of
    (a) Assimilation of nitrate
    (b) Utilisation of nitrogen gas
    (c) Conversion of organic nitrogen to proteins
    (d) Conversion of molecular nitrogen to ammonia

    Answer: (c)

38. Which among the following is called as 'Land of the midnight Sun'?
    (a) Norway
    (b) Sweden
    (c) Denmark
    (d) France

    Answer: (a)

39. Among the following which one lays eggs and does not produce young ones directly?
    (a) Echidna
    (b) Kangaroo
    (c) Porcupine
    (d) Whale

    Answer: (a)

40. The mountain range which divides the North and the South India is
    (a) Himalayas
    (b) Western ghats
    (c) Vindhyas
    (d) Satpura

    Answer: (c)

41. Bronze is an alloy of
    (a) Copper & tin
    (b) Copper & zinc
    (c) Copper & iron
    (d) Iron & nickel

    Answer: (a)

42. In which of the following States is Dampa Tiger Reserve situated?
    (a) Assam
    (b) Karnataka
    (c) Mizoram
    (d) Orissa

    Answer: (c)

43. Japanese folk tradition and ritual, with no founder or single sacred scripture, is popularly known as _____
    (a) Taoism
    (b) Zoroastrianism
    (c) Shintoism
    (d) Paganism

    Answer: (c)

44. In IT the technique that is used to increase the bandwidth is
    (a) Memory Management
    (b) Memory Interleaving
    (c) Memory Intraleaving
    (d) Memory Leaving

    Answer: (b)

45. A motion that seeks to reduce the amount of demand presented by government to ₹ 1/- is known as

(a) Disapproval of policy Cut

(b) Token cut

(c) Economy cut

(d) Vote on account

Answer: (a)

46. The State which produces largest number of orchids in India is

(a) Assam

(b) Arunachal Pradesh

(c) Meghalaya

(d) Sikkim

Answer: (d)

47. Which one of the following bio reserves of India is not included in the World Network of Biosphere Reserve?

(a) Sunderbans

(b) Gulf of Mannar

(c) Nandadevi

(d) Corbett

Answer: (d)

48. What was 'Kamagata Maru'?

(a) An army unit

(b) A harbour

(c) A ship

(d) An industrial township

Answer: (c)

49. Redistribution of income in a country can be brought about through

(a) Progressive taxation combined with progressive expenditure

(b) Progressive taxation combined with regressive expenditure

(c) Regressive taxation combined with regressive expenditure

(d) Regressive taxation combined with progressive expenditure

Answer: (a)

50. A motion moved by Member of Parliament when he feels a minister has committed a breach of privilege of the House by withholding facts of a case is called

(a) No confidence motion

(b) Censure motion

(c) Privilege motion

(d) Cut motion

Answer: (c)

Quantitative Aptitude

51. If 7 spiders make 7 webs in 7 days , then 1 spider will make 1 web in how many days ?

(a) 1

(b) 7/2

(c) 7

(d) 49

Answer: (c)

52. A fan is listed at Rs. 150 with a discount of 20% . What additional discount must be offered to the customer to bring the net price to Rs. 108 ?

(a) 11 1/9%

(b) 15%

(c) 8%

(d) None of these

Answer: (a)

53. Three numbers are in the ratio 1 : 2 : 3 and the sum of their cubes is 4500 .The smallest numbers is

(a) 4

(b) 5

(c) 6

(d) 10

Answer: (b)

54. If by selling an article for ₹ 390 a shopk[illegible]ns 20% , then the cost is

(a) ₹ 370

(b) ₹ 325

(c) ₹ 350

(d) ₹ 300

Answer: (b)

56. A man travelled a distance of 61 km. in 9 hours , partly by walking at speed of 4 km / hr and partly on bicycle at speed of 9 km / hr. The distance covered by walking is

(a) 16 Km

(b) 12 Km

(c) 15 Km

(d) 17 Km

Answer: (a)

58. If a + b + c = 0 , then the value of a3 + b3+ c3 is

(a) abc

(b) 2abc

(c) 3abc

(d) 0

Answer: (c)

60. In ΔABC , DE ∥ AC. Where D and E are two points lying on AB and BC respectively . If AB = 5 cm and AD = 3 cm , then BE : EC is

(a) 2:3

(b) 3:2

(c) 5:3

(d) 3:5

Answer: (a)

61. PT is a tangent to a circle with centre O and radius 6 cm . If PT is 8 cm then length of OP is

(a) 10 cm

(b) 12 cm

(c) 16 cm

(d) 9 cm

Answer: (a)

63. In a school , 391 boys and 323 girls have been divided into the largest possible equal classes , so that each class of boys numbers the same as each class of girls . What is the number of classes ?

(a) 23

(b) 19

(c) 44

(d) 17

Answer: (d)

64. The average temperature of Monday , Tuesday , Wednesday and Thursday is 60° , The average for Tuesday , Wednesday , Thursday and Friday is 63° ; If the ratio of temperature for Monday and Friday is 21 : 25 , then what is the temperature of Friday ?

(a) 70°

(b) 73°

(c) 75°

(d) 78°

Answer: (c)

66. If x = 93 , y = 93 , z = 94 then the value of x2 - y2 + 10xz + 10yz is

(a) 104784

(b) 147840

(c) 174840

(d) 184740

Answer: (c)

67. D , E , F are the mid - points of the sides BC , CA and AB respectively of a ΔABC . Then the ratio of the areas of Δ DEF and ΔABC is

(a) 1/2

(b) 1/4

(c) 1/8

(d) 1/16

Answer: (b)

68. A circle has its centre at O . A tangent drawn from a point P , which is situated outside the circle , touches the circle at A. If PA = 4 cm & PO=5 cm, then the length of the radius of the circle is

(a) 1 cm

(b) 2 cm

(c) 3 cm

(d) 4 cm

Answer: (c)

69. If sec (4x - 50°) = cosec(50° - x), Then the value of x is

(a) 45°

(b) 90°

(c) 30°

(d) 60°

Answer: (c)

70. An inverted conical shaped vessel is filled with water to its brim. The height of the vessel is 8 cm and radius of the open end is 5 cm . When a few small spherical metallic balls each of radius ½ cm are dropped in the vessel , 25% water is overflows. The number of balls is:

(a) 100

(b) 400

(c) 200

(d) 150

Answer: (a)

71. The shadow of a tower when the angle of elevation of the sun is 45° , is found to be 10 m longer than when it was 60° . The height of the tower is

(a) 5(√3 - 1) m

(b) 5(√3 + 1) m

(c) 10 (√3 - 1) m

(d) 10 (√3 + 1) m

Answer: (b)

73. The following pie diagram gives the marks scored by a student in different subjects- English , Hindi , mathematics , science and social science in an examination . Assuming that the total marks obtained for the examination are 540 , answer the question
The subject in which the student scored 105 marks is

(a) English

(b) Hindi

(c) Mathematics

(d) Science

Answer: (b)

74. The following pie diagram gives the marks scored by a student in different subjects- English , Hindi , mathematics , science and social science in an examination . Assuming that the total marks obtained for the examination are 540 , answer the question
The difference of marks between English and Science is the same as between

(a) Science and English

(b) Hindi and Social science

(c) English and Hindi

(d) Mathematics and Social science

Answer: (d)

75. The following pie diagram gives the marks scored by a student in different subjects- English , Hindi , mathematics , science and social science in an examination . Assuming that the total marks obtained for the examination are 540 , answer the question
The marks scored in Hindi and Mathematics exceed the marks scored in English and Social science by

(a) 30

(b) 40

(c) 60

(d) 75

Answer: (c)

English Comprehension

76. In the following question, out of the four alternatives, choose the word which best expresses the meaning of the given word and click the button corresponding to it. INNOCUOUS

(a) INNOCENT

(b) INNOVATIVE

(c) INOFFENSIVE

(d) INNERMOST

Answer: (c)

77. In the following question, out of the four alternatives, choose the word which is opposite in meaning to the given word and click the button corresponding to it. INFIRM

(a) STRONG

(b) WEAK

(c) SUPPORTER

(d) BELIEVER

Answer: (a)

78. Four words are given, out of which only one word is spelt correctly. Choose the correctly spelt word and click the button corresponding to it.

(a) Correspondent

(b) Correspondant

(c) Correspendent

(d) Corespondent

Answer: (a)

79. 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. Computers give us (A) / the easier access (B) / to information. (C) / No Error (D)

(a) A

(b) B

(c) C

(d) D

Answer: (b)

80. 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. I don't have (A) / any money to (B) / spend for luxuries. (C) / No Error (D)

(a) A

(b) B

(c) C

(d) D

Answer: (c)

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. I was first (A) / to reach the school (B) / today (C) / No Error (D)

(a) A

(b) B

(c) C

(d) D

Answer: (a)

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. The President will finally have a national memorial _____ his honour.

(a) at

(b) upon

(c) in

(d) on

Answer: (c)

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. Cultural _____ is very important in international business.

(a) sensibility

(b) sensitivity

(c) smartness

(d) susceptibility

Answer: (b)

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. We should first collect the funds and then _____ action.

(a) plunge into

(b) plunge onto

(c) plunge at

(d) plunge in

Answer: (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. Held up

(a) Kidnapped

(b) Delayed

(c) Caught

(d) Nabbed

Answer: (b)

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. To play fast and loose

(a) To be narrow minded

(b) To play a good game

(c) To act in an unreliable way

(d) To defeat a person

Answer: (c)

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. Feather one's own nest

(a) Decorate

(b) Work hard at home

(c) build a home

(d) make money in an improper way

Answer: (d)

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. The act of killing a king

(a) Regicide

(b) Regalcide

(c) Genocide

(d) Homicide

Answer: (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. Emission of light or heat from a central point

(a) Rays

(b) Refraction

(c) Reflection

(d) Radiation

Answer: (d)

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. That which cannot be believed

(a) Awesome

(b) Incredible

(c) Credible

(d) Ineffective

Answer: (b)

Passage — for questions 96–100

> 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. Reporters and city officials gathered at a Chicago railroad station one afternoon in 1953. The person they were meeting was the 1952 Nobel Peace Prize winner. A few minutes after the train came to a stop, a giant of a man - six feet four inches - with bushy hair and a large moustache stepped out from the train. Cameras flashed. City officials approached him with hands outstretched. Various people began telling him how honoured they were to meet him. The man politely thanked them and then, looking over their heads, asked if he could be excused for a moment. He quickly walked through the crowd until he reached the side of an elderly black woman who was struggling with two large suitcases. He picked up the bags with a smile, escorted the woman to a bus. After helping her aboard, he wished her a safe journey. As he returned to the greeting party he apologized, "Sorry to have kept you waiting." Not many whites would have done what he did. The man was Dr. Albert Schweitzer, the famous missionary doctor who had spent his life helping the poor in Africa. In response to Dr. Schweitzer's action, one member of the reception committee said with great admiration to the reporter standing next to him, "That's the first time I ever saw a sermon walking." Dr.

96. Albert Schweitzer was the winner of the _____ .
    (a) Nobel Prize in 1952 for Medicine
    (b) Nobel Prize in 1952 for Peace
    (c) Nobel Prize in 1952 for Chemistry
    (d) Nobel Prize in 1953 for Peace

    Answer: (b)

97. Albert delighted _____ .
    (a) in being helped by others
    (b) in not being honoured
    (c) in being honoured
    (d) in helping others

    Answer: (d)

98. Albert Schweitzer _____ .
    (a) was not prejudiced against Whites
    (b) was not prejudiced against Blacks
    (c) was prejudiced against Whites
    (d) was prejudiced against Blacks

    Answer: (b)

99. Albert was _____ person.
    (a) a generous and friendly
    (b) a proud
    (c) a timid
    (d) a kind and helpful

    Answer: (d)

100. Albert preferred to let his actions _____ .

(a) speak louder than his words

(b) be admired

(c) be advertised

(d) be written about

Answer: (a)

Answer key

Answer key as marked in the Staff Selection Commission's response sheet. "—" means the sheet did not show it clearly.

General Intelligence and Reasoning

1	**(d)**	2	**(c)**	3	**(c)**	4	**(b)**	5	**(d)**	6	**(c)**	7	**(c)**	8	**(a)**
9	**(c)**	10	**(d)**	11	**(b)**	12	**(a)**	13	**(d)**	14	**(c)**	17	**(b)**	18	**(c)**
20	**(d)**	25	**(a)**												

General Awareness

26	**(d)**	27	**(b)**	28	**(a)**	29	**(a)**	30	**(b)**	31	**(d)**	32	**(d)**	33	**(d)**
34	**(c)**	35	**(d)**	36	**(a)**	37	**(c)**	38	**(a)**	39	**(a)**	40	**(c)**	41	**(a)**
42	**(c)**	43	**(c)**	44	**(b)**	45	**(a)**	46	**(d)**	47	**(d)**	48	**(c)**	49	**(a)**
50	**(c)**														

Quantitative Aptitude

51	**(c)**	52	**(a)**	53	**(b)**	54	**(b)**	56	**(a)**	58	**(c)**	60	**(a)**	61	**(a)**
63	**(d)**	64	**(c)**	66	**(c)**	67	**(b)**	68	**(c)**	69	**(c)**	70	**(a)**	71	**(b)**
73	**(b)**	74	**(d)**	75	**(c)**										

English Comprehension

76	**(c)**	77	**(a)**	78	**(a)**	79	**(b)**	[illegible]	**(c)**	81	**(a)**	82	**(c)**	83	**(b)**
84	**(a)**	85	**(b)**	86	**(c)**	87	**(d)**	[illegible]	**(a)**	89	**(d)**	90	**(b)**	96	**(b)**
97	**(d)**	98	**(b)**	99	**(d)**	100	[illegible]								