PREVIOUS YEAR PAPER

SSC CGL 2017 Tier I — 16 August 2017, Shift 1

SSC CGL · 16 August 2017 · 10:00 AM - 11:00 AM

88 of the paper's 100 questions · +2 for a correct answer, −0.5 for a wrong one · 60 minutes

Left out of the original paper: 12 (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 16 August 2017, 10:00 AM - 11:00 AM. 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-2017-tier-1-16-aug-shift-1/

General Intelligence and Reasoning

1. In the following question, select the related word from the given alternatives. Sheep : Lamb : : Cow : ?

(a) Kitten

(b) Cub

(c) Calf

(d) Caterpillar

Answer: (c)

2. In the following question, select the related letters from the given alternatives. PRAG : QTDK : : STOP : ?

(a) LMNP

(b) BDFE

(c) TVRT

(d) QSTG

Answer: (c)

3. In the following question, select the related number from the given alternatives. 562 : 30 : : 663 : ?

(a) 44

(b) 49

(c) 54

(d) 58

Answer: (c)

4. In the following question, select the odd word from the given alternatives.

(a) Cricket

(b) Carrom

(c) Table Tennis

(d) Chess

Answer: (a)

5. In the following question, select the odd letters from the given alternatives.

(a) IMX

(b) DHS

(c) GWK

(d) KOZ

Answer: (c)

6. In the following question, select the odd number pair from the given alternatives.

(a) 122 – 1331

(b) 173 – 2197

(c) 197 – 2744

(d) 290 – 4913

Answer: (b)

7. Arrange the given words in the sequence in which they occur in the dictionary. 1. Xenons 2. Xylyls 3. Xanthic 4. Xenians 5. Xyst

(a) 34125

(b) 34521

(c) 43251

(d) 51342

Answer: (a)

8. A series is given with one term missing. Select the correct alternative from the given ones that will complete the series. LOQ, SVX, ZCE, ?

(a) GJL

(b) GLJ

(c) GTL

(d) JLG

Answer: (a)

9. In the following question, select the missing number from the given series. 13, 27, 56, 115, ?

(a) 224

(b) 231

(c) 233

(d) 234

Answer: (d)

10. Sumitra remembers that her mother's birthday is after 13th February but before 16th February but her brother remembers that his mother's birthday is after 14th February but before 17th February. On which date Sumitra's mother's birthday will be celebrated?

(a) 13th February

(b) 14th February

(c) 15th February

(d) 17th February

Answer: (c)

11. There are five energy drinks - Red, Moto, Energy, Lion and Bull containing different range of sugar content. Moto having sugar content more than all other drinks. Energy having the sugar content only more than the Lion. Bull is not having sugar content more than the Red. Which of the following drink having the second most sugar content?

(a) Bull

(b) Energy

(c) Red

(d) Moto

Answer: (c)

12. In the following question, from the given alternative words, select the word which cannot be formed using the letters of the given word. CALCULATING

(a) GAIN

(b) TANING

(c) TAIL

(d) CULT

Answer: (b)

13. In a certain code language, "WILDHORN" is written as "1133" and "RAPTURE" is written as "1089". How is "PORTLOUIS" written in that code language?

(a) 1395

(b) 1485

(c) 1584

(d) 1595

Answer: (d)

14. If "A" denotes "subtracted from", "B" denotes "added to", "C" denotes "divided by", "D" denotes "multiplied by", then which of the following statement is correct?

(a) 3 A 12 B 16 D 17 C 1 = 163

(b) 5 C 7 A 9 D 8 B 2 = 294

(c) 13 C 13 A 13 B 13 D 13 = 157

(d) 18 C 16 D 49 A 27 B 9 = 200

Answer: (c)

15. If 9 * 2 * 5 = 23 and 1 * 4 * 8 = 29, then 1*6*3=?

(a) 19

(b) 21

(c) 31

(d) 39

Answer: (a)

18. In the following question below are given some statements followed by some conclusions. Taking the given statements to be true even if they seem to be at variance from commonly known facts, read all the conclusions and then decide which of the given conclusion logically follows the given statements. Statements: I. All LED are bulb. II. Some bulbs are not tube light. Conclusions: I. Some tube lights are LED. II. All LED are tube lights.

(a) Only conclusion (I) follows.

(b) Only conclusion (II) follows.

(c) Neither conclusion (I) nor conclusion (II) follows.

(d) Both conclusions follow.

Answer: (c)

General Awareness

26. What does indifference curve represent?

(a) Levels of Income and Capital

(b) Satisfaction derived from two goods

(c) Income from two businesses

(d) Relationship between expenditure and savings

Answer: (b)

28. India has taken the concept of 'Judicial Review' from which country's constitution?

(a) United States

(b) United Kingdom

(c) Canada

(d) Ireland

Answer: (a)

29. How many times a person can be elected as the President of India?

(a) One time

(b) Two times

(c) Three times

(d) No bar

Answer: (d)

30. Who shot dead John Saunders on 17th December 1927?

(a) Bhagat Singh

(b) Mangal Panday

(c) Sukhdev

(d) Bipin Chandra Pal Singh

Answer: (a)

31. Sardar Vallabhbai Patel was the leader of _____.
    (a) Bhoodan Movement
    (b) Rowlatt Satyagraha
    (c) Bardoli Satyagraha
    (d) Swadeshi Movement
    Answer: (c)

32. Which type of forests majorly comprises of lichens and mosses?
    (a) Taiga forests
    (b) Tundra forests
    (c) Temperate mixed forests
    (d) Tropical ever green forests
    Answer: (b)

33. Which of the following has maximum diurnal temperature difference?
    (a) Desert
    (b) Mountains
    (c) Plateau
    (d) Ocean
    Answer: (a)

34. Night Blindness is caused by deficiency of which the following Vitamin?
    (a) Vitamin B
    (b) Vitamin C
    (c) Vitamin K
    (d) Vitamin A
    Answer: (d)

35. The right portion of human heart receives _____ blood.
    (a) pure
    (b) impure
    (c) mixed
    (d) None of these
    Answer: (b)

36. Which of the following is the largest gland in human body?
    (a) Thyroid
    (b) Liver
    (c) Kidney
    (d) Pancreas
    Answer: (b)

37. On which principle does the hydraulic lift works?

(a) Newton's law

(b) Pascal's law

(c) Archimedes's law

(d) Joule's law

Answer: (b)

38. At what temperature (in degree celsius), the numerical values on Celsius and Fahrenheit scales become equal?

(a) −40

(b) 40

(c) 273

(d) −273

Answer: (a)

39. In MICR, what does 'I' stands for?

(a) Interactive

(b) Information

(c) Ink

(d) Instruction

Answer: (c)

40. What is the process of conversion of solid state directly to gaseous state called?

(a) Evaporation

(b) Condensation

(c) Sublimation

(d) Distillation

Answer: (c)

41. What are the main components of Bronze Alloy?

(a) Copper and Zinc

(b) Copper and Tin

(c) Zinc and Nickel

(d) Aluminium and Nickel

Answer: (b)

42. Which of the following causes fly ash?

(a) Hydroelectric Power Station

(b) Coal Combustion Power Plant

(c) Nuclear Power Plant

(d) Tidal Power Plant

Answer: (b)

43. "Dulari Kanya", a scheme to bring down infant mortality in the state is launched by which Indian State?
    (a) Arunachal Pradesh
    (b) Rajasthan
    (c) Uttar Pradesh
    (d) Madhya Pradesh
    Answer: (a)

44. Who developed the theory of relativity?
    (a) Issac Newton
    (b) Charles Darwin
    (c) Marie Curie
    (d) Albert Einstein
    Answer: (d)

45. 'Queensbury rules' is code of rules that directly influences which of the following sport?
    (a) Tennis
    (b) Boxing
    (c) Polo
    (d) Billiards
    Answer: (b)

46. Who amidst the following is a distinguished pain'
    (a) Uday Shankar
    (b) Sonal Mansingh
    (c) Amrita Shergill
    (d) Yamini Kirshnamurthy
    Answer: (c)

47. Who among the following was awarded with Padma Shri 2017 in the field of 'Sports - Hockey'?
    (a) Sardar Singh
    (b) P. R. Shreejesh
    (c) Ramandeep Singh
    (d) Yuvraj Walmiki
    Answer: (b)

48. "Hema Malini : Beyond the Dream Girl" is authored by which author?
    (a) Meena Iyer
    (b) Hema Malini
    (c) Ram Kamal Mukherjee
    (d) Vijay Kumar
    Answer: (c)

49. A 7500 mile direct rail link was launched on 10 April 2017 between China and _____.
    (a) Pakistan
    (b) Kazakhstan
    (c) Great Britain
    (d) France
    Answer: (c)

50. 19th SAARC Summit was planned to be held in November 2016 but it got postponed. Which country was its host?
    (a) Nepal
    (b) Bhutan
    (c) India
    (d) Pakistan
    Answer: (d)

Quantitative Aptitude

51. Product of three consecutive odd numbers is 1287. What is the largest of the three numbers?
    (a) 9
    (b) 11
    (c) 13
    (d) 17
    Answer: (c)

52. 45 men or 60 boys can do a piece of work in 20 days. How many days will 15 men and 20 boys take to complete the work?
    (a) 23
    (b) 45
    (c) 30
    (d) 25
    Answer: (c)

53. How many spherical balls of radius 1 cm can be made by melting a hemisphere of radius 6 cm?
    (a) 112
    (b) 108
    (c) 116
    (d) 104
    Answer: (b)

54. The marked price of a shirt is Rs 1280. If the shirt is being sold for Rs 900, then what is the discount percentage?

(a) 31.31

(b) 25.57

(c) 29.68

(d) 34.36

Answer: (c)

55. The ratio of number of cans of orange, pineapple and mixed fruit juices kept in a store is 8 : 9 : 15. If the store sells 25%, 33.33% and 20% of orange, pineapple and mixed fruit juices cans respectively, then what is the ratio of number of cans of these juices in the remaining stock?

(a) 1 : 1 : 2

(b) 6 : 6 : 13

(c) 12 : 15 : 19

(d) 4 : 9 : 13

Answer: (a)

56. The ratio of number of boys and girls in a class is 2 : 3. The average weight of boys and girls in the class is 18 kg and 21 kg respectively. What is the average weight (in kgs) of all the boys and girls together?

(a) 99/5

(b) 101/5

(c) 109/6

(d) 96/5

Answer: (a)

57. A milk merchant buys 50 litres of milk at the rate of Rs 40 per litre and mixes 5 litres of water in it. If he sells this mixture at the rate of Rs 42 per litre, then what is the profit percentage for the dealer?

(a) 17.2

(b) 14.4

(c) 16.6

(d) 15.5

Answer: (d)

58. If A is 6 times more than B, then by what percentage is B is less than A?

(a) 64.82

(b) 83.33

(c) 28.56

(d) 85.71

Answer: (d)

59. A runner starts running from a point at 6:00 am with a speed of 8 km/hr. Another racer starts from the same point at 8:30 am in the same direction with a speed of 10 km/hr. At what time of the day (in p.m.) will the second racer will overtake the other runner?

(a) 8:00

(b) 4:00

(c) 6:30

(d) 5:30

Answer: (c)

60. A sum amounts to Rs 7727.104 at the rate of 12% per annum compounded annually after three years. What is the value of principal (in Rs)?

(a) 5000

(b) 5200

(c) 5350

(d) 5500

Answer: (d)

61. When [x + (1/x)] = 5, then what is the value of [x – (1/x)]?

(a) 11

(b) ± √22

(c) 21

(d) ± √21

Answer: (d)

62. If x = (√2 + 1)/(√2 – 1), then what is the [illegible] .5 + x4 + x2 + x)/x3 ?

(a) 40

(b) 37.5

(c) 38

(d) 20√2

Answer: (a)

63. If x = 5 – 2√6, then what is the value of √x +(1/√x)?

(a) 5

(b) 2

(c) 2√3

(d) 2√2

Answer: (c)

64. If 27x + 27[x–(1/3)] = 972, then what is the value of x?

(a) 2

(b) 3

(c) 4

(d) 5

Answer: (a)

65. The inradius of a equilateral triangle is 10 cm. What is the circum-radius (in cm) of the same triangle?

(a) 5

(b) $10\sqrt{3}$

(c) 20

(d) $20\sqrt{3}$

Answer: (c)

66. The point of intersection of all the angle bisector of a triangle is _____ of the triangle.

(a) Incenter

(b) Circumcenter

(c) Centroid

(d) Orthocenter

Answer: (a)

67. ABC is an equilateral triangle and P is the orthocenter of the triangle, then what is the value (in degrees) of ∠BPC?

(a) 90

(b) 120

(c) 135

(d) 145

Answer: (b)

68. In a triangle ABC, AD is angle bisector of ∠A and AB : AC = 3 : 4. If the area of triangle ABC is 350 cm2, then what is the area (in cm2) of triangle ABD?

(a) 150

(b) 200

(c) 210

(d) 240

Answer: (a)

69. A boat is sailing towards a lighthouse of height $20\sqrt{3}$ m at a certain speed. The angle of elevation of the top of the lighthouse changes from 30° to 60° in 10 seconds. What is the time taken (in seconds) by the boat to reach the lighthouse from its initial position?

(a) 10

(b) 15

(c) 20

(d) 60

Answer: (b)

70. What is the value of [sec θ/(sec θ – 1)] + [sec θ/(sec θ + 1)] ?

(a) 2 sin2 θ

(b) 2(1 + tan2 θ)

(c) 2 cosec2 θ

(d) sin2 θ

Answer: (c)

72. The runs scored by Pujara against South Africa is more than runs scored against Bangladesh by what percentage?

(a) 100

(b) 150

(c) 200

(d) 250

Answer: (c)

73. If Pujara has scored 1875 runs in total, then what is the difference in runs scored by Pujara against South Africa and New Zealand?

(a) 150

(b) 175

(c) 200

(d) 250

Answer: (a)

75. What should be the least number of runs that Pujara must have scored in total (runs can only be integers)?

(a) 25

(b) 225

(c) 375

(d) 625

Answer: (a)

English Comprehension

76. 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'. I am vexed at him (1)/ for what all he has (2)/ done for him till date. (3)/ No Error (4)

(a) 1

(b) 2

(c) 3

(d) 4

Answer: (a)

77. 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 Manager warned his team members (1)/ that if they persist in their (2)/ obstructionist attitude they would be punished. (3)/ No Error (4)

(a) 1

(b) 2

(c) 3

(d) 4

Answer: (b)

78. 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. Both taciturn and _____ , Daniel seldom spoke and never spent money.

(a) wary

(b) cheap

(c) discreet

(d) miserly

Answer: (d)

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. He was too _____ to make a statement before the Boss.

(a) shy

(b) tired

(c) timid

(d) coward

Answer: (c)

80. In the following question, out of the four alternatives, select the word similar in meaning to the word given. Reiterate

(a) Abuse

(b) Pretend

(c) Detest

(d) Repeat

Answer: (d)

81. In the following question, out of the four alternatives, select the word similar in meaning to the word given. Nincompoop

(a) Wise

(b) Fool

(c) Lover

(d) Companion

Answer: (b)

82. In the following question, out of the four alternatives, select the word opposite in meaning to the word given. Pellucid

(a) Torpid

(b) Explicit

(c) Murky

(d) Limpid

Answer: (c)

83. In the following question, out of the four alternatives, select the word opposite in meaning to the word given. Adamant

(a) Rigid

(b) Flexible

(c) Fixed

(d) Unshakable

Answer: (b)

84. In the following question, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/Phrase. To wrangle over an ass's shadow

(a) To waste money over trifles

(b) To punish a person severely for his arrogance

(c) To quarrel over trifles

(d) To keep away from extreme poverty

Answer: (c)

85. In the following question, out of the fou[illegible]tern[illegible]es, select the alternative which best expresses the meaning of the idiom/Phrase. [illegible]ne's flesh creep

(a) To confuse someone

(b) To flatter someone

(c) To abuse someone

(d) To frighten someone

Answer: (d)

86. Improve the bracketed part of the sentence. Father (would have been appreciated) your efforts if you had informed him.

(a) would be appreciated

(b) would have appreciated

(c) should have been appreciated

(d) No improvement

Answer: (b)

87. Improve the bracketed part of the sentence. Neha was (surprised by) her result.

(a) surprised to

(b) surprised from

(c) surprised at

(d) No improvement

Answer: (c)

88. In the following question, out of the four alternatives, select the alternative which is the best substitute of the phrase. Study of tumors

(a) Oenology

(b) Oncology

(c) Phrenology

(d) Upology

Answer: (b)

89. In the following question, out of the four alternatives, select the alternative which is the best substitute of the phrase.
The highest point

(a) Tempest

(b) Outpost

(c) Archive

(d) Zenith

Answer: (d)

90. In the following question, four words are given out of which one word is incorrectly spelt. Find the incorrectly spelt word.

(a) Literary

(b) Leakeage

(c) Laudable

(d) Loafer

Answer: (b)

91. In the following question, four words are given out of which one word is incorrectly spelt. Find the incorrectly spelt word.

(a) Anasthetic

(b) Obliterate

(c) Concurrence

(d) Blithesome

Answer: (a)

92. The question below consists of a set of labelled sentences. Out of the four options given, select the most logical order of the sentences to form a coherent paragraph. P: Yet making loans to poor people is hardly a Poverty cure. Q: Segmenting the industry, might be worth while if it allows more of the poor to get access to credit. R: Multinational corporations could take the top microfinance institutions to the next level, and the remainder could take the responsibility of development groups and regional banks. S: Property rights and the role of law matter too.

(a) PRQS

(b) QRPS

(c) SPQR

(d) RSPQ

Answer: (b)

93. The question below consists of a set of labelled sentences. Out of the four options given, select the most logical order of the sentences to form a coherent paragraph. P: But the scenario has quite changed now-a-days by allocating a special budget of funds for security. Q: In the last ten years, budget towards the development of military forces is higher when compared to others. R: India earlier days gave more importance to the development of industry and less importance to other departments. S: This is because of the frightening increase in terrorism all around the world especially emerging after the 9/11 terror attack in U.S.

(a) PRQS

(b) SPQR

(c) QSPR

(d) RPSQ

Answer: (d)

94. In the following question, a sentence h[illegible]en [illegible]ven in Active/Passive voice. Out of four alternatives suggested, select the one which b[illegible]presses the same sentence in Passive/Active voice. One should keep one's word.

(a) A word should be kept.

(b) A word should be keeping.

(c) One's word has to be kept.

(d) One's word should be kept by us.

Answer: (a)

95. In the following question, a sentence has been given in Direct/Indirect speech. Out of the four alternatives suggested, select the one which best expresses the same sentence in Indirect/Direct speech. The old man said, "Thanks I shall never forget this kindness, Ankit."

(a) The old man applauded Ankit for his kindness and he shall never forget Ankit.

(b) The old man thanked Ankit and assured him that he would never forget his kindness.

(c) Ankit was being thanked by the old man for his kindness towards an old man.

(d) The old man said thank you to Ankit for his kindness.

Answer: (b)

Passage — for questions 96–100

> 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. National integration means _____ all the people of the nation into a single whole. It is a _____ that bends together all people in one _____ bond no matter what their religion, caste, language or history may be. It is a _____ cementing force whereby all kinds of people live _____ peacefully and can identify themselves as a part and parcel of a nation.

96. National integration means _____ all the people of the nation into a single whole.
    (a) segregating
    (b) combining
    (c) residing
    (d) complying

    Answer: (b)

97. It is a _____ that binds together
    (a) sentiment
    (b) resources
    (c) essentials
    (d) finances

    Answer: (a)

98. all people in one _____ bond no matter what their r ion, caste, language or history
    (a) real
    (b) common
    (c) nominal
    (d) similar

    Answer: (b)

99. It is a _____ cementing force whereby all kinds of people
    (a) weakening
    (b) natural
    (c) strong
    (d) settled

    Answer: (c)

100. live _____ peacefully and can identify themselves as a part and parcel of a nation.
    (a) separately
    (b) jointly
    (c) happily
    (d) together

    Answer: (d)

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	**(c)**	2	**(c)**	3	**(c)**	4	**(a)**	5	**(c)**	6	**(b)**	7	**(a)**	8	**(a)**
9	**(d)**	10	**(c)**	11	**(c)**	12	**(b)**	13	**(d)**	14	**(c)**	15	**(a)**	18	**(c)**

General Awareness

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

Quantitative Aptitude

51	**(c)**	52	**(c)**	53	**(b)**	54	**(c)**	55	**(a)**	56	**(a)**	57	**(d)**	58	**(d)**
59	**(c)**	60	**(d)**	61	**(d)**	62	**(a)**	63	**(c)**	64	**(a)**	65	**(c)**	66	**(a)**
67	**(b)**	68	**(a)**	69	**(b)**	70	**(c)**	72	**(c)**	73	**(a)**	75	**(a)**		

English Comprehension

76	**(a)**	77	**(b)**	78	**(d)**	79	**(c)**	80	**(d)**	81	**(b)**	82	**(c)**	83	**(b)**
84	**(c)**	85	**(d)**	86	**(b)**	87	**(c)**	88	**(b)**	89	**(d)**	90	**(b)**	91	**(a)**
92	**(b)**	93	**(d)**	94	**(a)**	95	**(b)**	96	**(b)**	97	**(a)**	98	**(b)**	99	**(c)**
100	**(d)**														