PREVIOUS YEAR PAPER

SSC CGL 2017 Tier I — 16 August 2017, Shift 3

SSC CGL · 16 August 2017 · Shift 3

80 of the paper's 96 questions · +2 for a correct answer, −0.5 for a wrong one · 60 minutes

Left out of the original paper: 16 (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, Shift 3. 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-3/

General Intelligence and Reasoning

1. In the following question, select the odd letters from the given alternatives.
   (a) JGD
   (b) NLI
   (c) XUR
   (d) QNK
   Answer: (b)

2. In the following question, select the odd number from the given alternatives.
   (a) 71
   (b) 83
   (c) 89
   (d) 93
   Answer: (d)

3. Arrange the given words in the sequence in which they occur in the dictionary. 1. Counter 2. Crop 3. Create 4. Carnation 5. Creator
   (a) 41352
   (b) 41253
   (c) 43125
   (d) 41325
   Answer: (a)

4. A series is given with one term missing. Select the correct alternative from the given ones that will complete the series. A, E, J, N, S, W, ?
   (a) Z
   (b) A
   (c) B
   (d) C
   Answer: (c)

5. In the following question, select the missing number from the given series. 3, 7, 16, 35, ?

(a) 73

(b) 74

(c) 78

(d) 82

Answer: (b)

6. The ratio of present ages of L and N is 7 : 5. If the age of N after seven years will be 32 years, then what is the present age (in years) of L?

(a) 49

(b) 35

(c) 28

(d) 42

Answer: (b)

7. Pointing towards a girl, Chetan said "She is the daughter of the only child of my grandmother". How is Chetan related to that girl?

(a) Father

(b) Son

(c) Brother

(d) Husband

Answer: (c)

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

(a) Talker

(b) Tailer

(c) Waller

(d) Winer

Answer: (c)

9. In a certain code language, "SPICEY" is written as "ELOUAY" and "PONDER" is written as "JKLNAZ". How is "HOUSED" written in that code language?

(a) QKDZAO

(b) GNTRDC

(c) WQJFGU

(d) DKQAOZ

Answer: (a)

10. If "x" denotes "added to", "÷" denotes "subtracted from", "+" denotes "divided by" and "–" denotes "multiplied by", then 14 x 12 – 16 ÷ 18 = ?

(a) 430

(b) 180

(c) 168

(d) 188

Answer: (d)

11. If 18 x 12 = 206 and 19 x 22 = 408, then 23 x 36 = ?

(a) 878

(b) 818

(c) 794

(d) 776

Answer: (b)

14. In each of 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. Some cups are plates. II. All spoons are blue. III. No plates are spoon. Conclusions: I. Some cups are not spoon. II. Some plates are not blue. III. Some cups are not blue. IV. Some blue are not plates.

(a) Only conclusion (I), (III) and (IV) follow.

(b) Only conclusion (II) and (IV) follow.

(c) Only conclusion (II), (III) and (IV) follow.

(d) Only conclusion (I) and (IV) follow.

Answer: (d)

22. In which of the following market forms a firm does not exercise control over price?

(a) Mixed Competition

(b) Monopoly

(c) Oligopoly

(d) Perfect Competition

Answer: (d)

23. Which of the following is represented by 'Lorenz Curve'?

(a) Employment

(b) Inflation

(c) Deflation

(d) Income Distribution

Answer: (d)

24. Which of the following is not a fundamental duty?
    (a) To abide by constitution and respect the National Flag
    (b) To promote harmony and brotherhood
    (c) To uphold and protect the sovereignty
    (d) Abolition of titles except military and academic

    Answer: (d)

25. Which article can be used by The President of India to declare financial emergency?
    (a) Article 32
    (b) Article 349
    (c) Article 360
    (d) Article 365

    Answer: (c)

General Awareness

26. The Poona Pact was signed between Mahatma Gandhi and _____.
    (a) Muhammad Ali Jinnah
    (b) Lord Irwin
    (c) Subhash Chandra Bose
    (d) B. R. Ambedkar

    Answer: (d)

27. Which Governor General abolished the 'Sati Sys n' in India?
    (a) Lord Canning
    (b) Lord Ripon
    (c) Lord Wiliam Bentinck
    (d) Lord Dalhousie

    Answer: (c)

28. Which of the following is NOT a primary green house gas in the earth's atmosphere?
    (a) Methane
    (b) Ozone
    (c) Nitrous oxide
    (d) Hydrogen

    Answer: (d)

29. Which type of forest is most widespread in India?
    (a) Tropical Evergreen Forests
    (b) Tropical Deciduous Forests
    (c) Montane Forests
    (d) Mangrove Forests

    Answer: (b)

30. Which blood group is universal donor?
    (a) O+
    (b) O–
    (c) AB–
    (d) AB+

    Answer: (b)

31. In how many parts is the human brain divided?
    (a) 2
    (b) 3
    (c) 4
    (d) 5

    Answer: (b)

32. In which of the following class can we put Adrenaline?
    (a) Hormone
    (b) Enzyme
    (c) Protein
    (d) Fat

    Answer: (a)

33. Supercooling is cooling of liquid _____.
    (a) below melting point
    (b) below freezing point
    (c) at melting point
    (d) above melting point

    Answer: (b)

34. When light passes from one medium to another, this phenomenon of change in its direction is called _____.
    (a) Refraction
    (b) Diffraction
    (c) Propagation
    (d) No option is correct

    Answer: (a)

35. Which among the following is not an input device?
    (a) Plotter
    (b) Magnetic Ink Character Recognition (MICR)
    (c) Optical Mark Recognition (OMR)
    (d) Barcode Reader

    Answer: (a)

36. Which of the following is also known as Carbolic Acid?
    (a) Phenol
    (b) Hydroxide
    (c) Sulphuric Acid
    (d) Ethanol
    Answer: (a)

37. Who discovered electron?
    (a) E. Goldstien
    (b) J. J. Thomson
    (c) Ernest Rutherford
    (d) J. Chadwick
    Answer: (b)

38. Who is a major driving force behind the 'Narmada Bachao Andolan'?
    (a) Anna Hazare
    (b) Medha Patkar
    (c) Shantha Sinha
    (d) Manasi Pradhan
    Answer: (b)

39. 'Udey Desh ka Aam Nagrik' (UDAN) scheme for regional air connectivity will provide travel to tier 2 and tier 3 cities at the rate of Rs _____ per hour
    (a) 1500
    (b) 2000
    (c) 2500
    (d) 3000
    Answer: (c)

40. Who invented radar?
    (a) Fred Morrison
    (b) A. H. Taylor and Leo C. Young
    (c) Van Tassel
    (d) W. K. Roentgen
    Answer: (b)

41. David Warner plays cricket for which country?
    (a) England
    (b) New Zealand
    (c) Australia
    (d) Sri Lanka
    Answer: (c)

42. Japanese art ‘Ikebana’ is related to _____.
    (a) paper folding
    (b) flower arrangement
    (c) tree cutting
    (d) sand art

    Answer: (b)

43. Who was awarded the 2017 Padma Bhushan Award in the field of Art-Music?
    (a) Devi Prasad Dwivedi
    (b) Anuradha Paudwal
    (c) Vishwa Mohan Bhatt
    (d) K. J. Yesudas

    Answer: (c)

44. Who has recently launched his autobiography titled 'An Unsuitable Boy'?
    (a) Rishi Kapoor
    (b) MS Dhoni
    (c) Karan Johar
    (d) Vikram Seth

    Answer: (c)

45. Which of the following country is not a member of the Indian Ocean Rim Association (IORA)'?
    (a) Sri Lanka
    (b) Mauritius
    (c) Seychelles
    (d) China

    Answer: (d)

46. Which country has launched the longest bullet train line covering a distance of 2252 kilometers in January, 2017?
    (a) Japan
    (b) China
    (c) Afghanistan
    (d) Myanmar

    Answer: (b)

47. What is the sum of all prime numbers between 60 and 80?
    (a) 272
    (b) 284
    (c) 351
    (d) 414

    Answer: (c)

48. A and B have to type a book together containing 120 pages. A takes 9 hrs to type 36 pages and B takes 5 hrs to type 40 pages. A typed first 60 pages alone and the last 60 pages were typed by A and B together. How much time (in hours) will be taken to type the complete book?

(a) 24

(b) 20

(c) 12

(d) 15

Answer: (b)

49. ABC is a right angled triangle in which ∠A = 90°, AB = 5 cm and AC = 12 cm. What is the approximate volume (in cm3) of the double cone formed by rotating the triangle about its hypotenuse?

(a) 145

(b) 290

(c) 435

(d) 580

Answer: (b)

50. A trader allowed a discount of 15% on a trolley bag having list price of Rs 1360 and earns a profit of 15.6%. What is the cost price (in Rs) of the trolley bag?

(a) 1000

(b) 1005

(c) 1050

(d) 1156

Answer: (a)

Quantitative Aptitude

51. Price of a diamond is directly proportional to square of its weight. A man broke the diamond accidently in three pieces in the ratio of 3 : 5 : 7 and thus loses Rs 42600. What was the original price (in Rs) of the diamond?

(a) 11786

(b) 60000

(c) 67500

(d) 75000

Answer: (c)

52. The average weight of 100 students is 32 kg. The average weight of first 49 students is 30 kg and of last 50 students is 34 kg. What is the weight (in kg) of the 50th student?

(a) 25

(b) 30

(c) 32

(d) 33

Answer: (b)

53. By selling 90 pens for Rs 80 a man loses 20%. What should be the selling price (in Rs) of 90 pens for 20% profit?

(a) 90

(b) 100

(c) 110

(d) 120

Answer: (d)

54. Raman spends 80% of his income. If his income is increased by 25% and the expenditure increase by 10%, then what will be the percentage increase in his savings?

(a) 17

(b) 70

(c) 77

(d) 85

Answer: (d)

55. A man makes four trips of equal distances. His speed on first trip was 60 km/hr and in each subsequent trip his speed was half of the previous trip. What is the average speed (in km/hr) of the man in these four trips?

(a) 16

(b) 30

(c) 28.125

(d) 27.5

Answer: (a)

56. Rohan borrowed a certain sum of money [illegible] interest. Rate of interest was 3% per annum for first 3 years, 4% per annum for next 5 years and 6% per annum for next 7 years. If he paid Rs 2059 as interest, then what is the sum borrowed (in Rs)?

(a) 2400

(b) 2500

(c) 2900

(d) 3100

Answer: (c)

57. If x + y = 5, x3 + y3 = 35, then what is the positive difference between x and y?

(a) 0

(b) 1

(c) 5

(d) 6

Answer: (b)

61. PQ is a diameter of a circle with centre O. RS is a chord parallel to PQ subtends an angle of 40° at the centre of the circle. If PR and QS are produced to meet at T, then what will be the measure (in degrees) of ∠PTQ?

(a) 55

(b) 60

(c) 70

(d) 90

Answer: (c)

65. If cosec2 θ = 625/576, then what is the value of [(sin θ – cos θ)/(sin θ + cos θ)]?

(a) 1

(b) 31/17

(c) 17/31

(d) 14/25

Answer: (c)

67. If cot A = [sin B/(1 – cos B)], then what is the value of cot 2A?

(a) cot(B/2)

(b) cot 2B

(c) cot B

(d) tan B

Answer: (c)

68. If the sales of company 1 in year 2015 was 5000 units, then what was its production (in units) in year 2015?

(a) 38460

(b) 45000

(c) 52000

(d) 65000

Answer: (d)

69. The production of company 2 in year 2012 is 30000. If sales of company 2 in year 2012 and 2013 is same, then what was its production (in units) in year 2013?

(a) 100000

(b) 16000

(c) 30000

(d) 20000

Answer: (b)

70. The production of company 1 in year 2014 is 18000 and sales of company 2 in year 2012 is 15000. What is the ratio of difference in sales and production of company 1 in year 2014 and company 2 in year 2012?

(a) 8 : 15

(b) 7 : 16

(c) 9 : 11

(d) 3 : 8

Answer: (a)

71. Company 1 sold 20000 bikes each year from 2011 to 2016 and company 2 sold 10000 bikes each year from 2011 to 2016. What is the difference (in units) in average yearly production of company 1 and 2?

(a) 6733.33

(b) 7500

(c) 8666.66

(d) 9333.33

Answer: (d)

72. 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'. He did not go (1)/ to the temple on foot (2)/ he went there by the car. (3)/ No Error (4)

(a) 1

(b) 2

(c) 3

(d) 4

Answer: (c)

73. 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'. She ascended (1)/ to the throne (2)/ at the early age of seven. (3)/ No Error (4)

(a) 1

(b) 2

(c) 3

(d) 4

Answer: (b)

74. 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. Neha's mother was annoyed with her as she could not _____ her examination.

(a) Get off

(b) Get on

(c) Get upon

(d) Get through

Answer: (d)

75. 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. I shall _____ her if she apologises to me for her misbehavior.

(a) pardon

(b) forgive

(c) punish

(d) reprimand

Answer: (b)

English Comprehension

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

(a) Deceitful

(b) Insincerity

(c) Enthusiastic

(d) Prejudice

Answer: (c)

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

(a) Ferocious

(b) Luxurious

(c) Luscious

(d) Delicious

Answer: (a)

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

(a) Mingy

(b) Inefficient

(c) Generous

(d) Sinful

Answer: (c)

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

(a) Alienated

(b) Iconoclast

(c) Divisive

(d) Orthodox

Answer: (d)

80. In the following question, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/Phrase. Bear the palm

(a) To face the consequences

(b) To meet death

(c) To be able to predict future

(d) To win

Answer: (d)

81. In the following question, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/Phrase. To give the devil his due

(a) To punish the wrong person

(b) To give credit to even a notorious person

(c) To let the enemy learn the lesson on his own

(d) To stand in the way of the devil

Answer: (b)

82. Improve the bracketed part of the sentence. (No sooner the advertisement regarding the launch of new smart phone appeared) than there was a rush on the online website for prebooking the same.

(a) No sooner the advertisement regarding the launched of new smart phone appeared

(b) No sooner did the advertisement regarding the launch of new smart phone appeared

(c) The advertisement regarding the launch of new smart phone was no sooner having appeared

(d) No improvement

Answer: (b)

83. Improve the bracketed part of the sentence. The equipment is (adapted to) cotton industries.

(a) Adapted from

(b) Adapted for

(c) Adapted of

(d) No improvement

Answer: (b)

84. In the following question, out of the four alternatives, select the alternative which is the best substitute of the phrase. One who loads and uploads ships

(a) Stevedore

(b) Transgressor

(c) Lapidist

(d) Reticent

Answer: (a)

85. In the following question, out of the four alternatives, select the alternative which is the best substitute of the phrase. Belief or opinion contrary to what is generally accepted

(a) Invocation

(b) Incognito

(c) Heresy

(d) Mercenary

Answer: (c)

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

(a) Tomorrow

(b) Occurence

(c) Temperature

(d) Preferable

Answer: (b)

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

(a) Receeding

(b) Cemetery

(c) Parallelogram

(d) Rehearsal

Answer: (a)

88. The question below consists of a set of jumbled sentences. Out of the four options given, select the most logical order of the sentences to form a coherent paragraph. P: If all the requirements of the villages are satisfied there by itself, then the peasants will usefully utilize their spare time. Q: Let us consider the village artisans. R: This will also provide employment to all the educated people of the villages. S: Having discussed the problems and requirements of rural life.

(a) SQPR

(b) PRQS

(c) QRPS

(d) PSQR

Answer: (a)

89. 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: Practical farming includes knowledge of fruit and vegetable farming. Q: These schools need not necessarily have their own farms because the village itself will provide ample field work facilities. R: Agriculture should be made compulsory in higher secondary schools; alternatively, the urban students can be taught town-planning, industrial planning etc. S: Therefore, at this stage, only theoretical education for the village students would suffice.

(a) QRSP

(b) RPQS

(c) RSPQ

(d) QPRS

Answer: (b)

90. In the following question, a sentence has been given in Active/Passive voice. Out of four alternatives suggested, select the one which best expresses the same sentence in Passive/Active voice. I saw him leaving the movie theatre.

(a) He was seen leaving the movie theatre by me.

(b) Leaving the movie theatre he was seen by me.

(c) He was seen to be leaving the movie theatre.

(d) He had been seen leaving the movie theatre.

Answer: (a)

91. 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 principal said, "Be quiet, girls."

(a) The principal called the girls and ordered them to be quiet.

(b) The principal commanded the girls that they be quiet.

(c) The principal urged the girls to be quiet.

(d) The principal said that the girls should be quiet.

Answer: (c)

Passage — for questions 92–96

> 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. Modern man is imprisoned by his time-table and his routine. His life is all care and _____. He does not have _____ for anything but his duties and occupation for _____ money. Men, in all _____ may have been prone to this disease and; indeed, we in India may not have been _____ by it to the extent that people in western countries have been.

92. His life is all care and _____.

(a) wisdom

(b) success

(c) worry

(d) anxiety

Answer: (c)

93. He does not have _____ for anything
    (a) resources
    (b) time
    (c) material
    (d) money
    Answer: (b)

94. but his duties and occupation for _____ money.
    (a) making
    (b) minting
    (c) collecting
    (d) spending
    Answer: (a)

95. Men, in all _____ may have been prone to this disease and; indeed,
    (a) spheres
    (b) streams
    (c) areas
    (d) ages
    Answer: (d)

96. we in India may not have been _____ by it to the ex t that people in western countries have been.
    (a) infected
    (b) inflicted
    (c) accompanied
    (d) associate
    Answer: (b)

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	**(b)**	2	**(d)**	3	**(a)**	4	**(c)**	5	**(b)**	6	**(b)**	7	**(c)**	8	**(c)**
9	**(a)**	10	**(d)**	11	**(b)**	14	**(d)**	22	**(d)**	23	**(d)**	24	**(d)**	25	**(c)**

General Awareness

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

Quantitative Aptitude

51	**(c)**	52	**(b)**	53	**(d)**	54	**(d)**	55	**(a)**	56	**(c)**	57	**(b)**	61	**(c)**
65	**(c)**	67	**(c)**	68	**(d)**	69	**(b)**	70	**(a)**	71	**(d)**	72	**(c)**	73	**(b)**
74	**(d)**	75	**(b)**												

English Comprehension

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