PREVIOUS YEAR PAPER

SSC CGL 2017 Tier I — 11 August 2017, Shift 1

SSC CGL · 11 August 2017 · Shift 1

84 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: 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 11 August 2017, Shift 1. 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-1-11-aug-shift-1/

General Intelligence and Reasoning

1. In the following question, select the odd letter group from the given alternatives.

(a) AJ
(b) EN
(c) NW
(d) PW

Answer: (d)

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

(a) 170
(b) 290
(c) 360
(d) 530

Answer: (c)

3. Arrange the given words in the sequence in which they occur in the dictionary. 1. Effacers 2. Effacing 3. Effaceable 4. Effacements 5. Effacement

(a) 34125
(b) 35412
(c) 43152
(d) 43215

Answer: (b)

4. A series is given with one term missing. Select the correct alternative from the given ones that will complete the series. C11, V17, O23, ?

(a) H30
(b) H31
(c) I29
(d) I31

Answer: (b)

5. In the following question, select the missing number from the given series. 19, 26, 45, 71, 116, ?

(a) 166

(b) 172

(c) 184

(d) 187

Answer: (d)

6. Abhinav travels 10 km north then turns left. Then he travels 6 km and turns right and cover another 7 km. He finally turns to right and travels another 6 km. How far (in km) is he from the point of starting his journey?

(a) 14

(b) 16

(c) 15

(d) 17

Answer: (d)

7. In the English alphabet, which letter is 13th from right end?

(a) L

(b) M

(c) N

(d) O

Answer: (c)

8. In the following question, from the given alternati words, select the word which cannot be formed using the letters of the given word. NDS ME

(a) HATS

(b) HOME

(c) NAME

(d) SAND

Answer: (a)

9. In a certain code language, "ACCOUNT" is written as "DFFRXQW". How is "MATHS" written in that code language?
ENROLL NOW
READ THEIR STORIES !

(a) PDWKV

(b) PKLKP

(c) PEWLU

(d) PWDVK

Answer: (a)

10. If "–" means "divided by", "+" means "multiplied by", "÷" means "added to", "x" means "subtracted from", then 11 ÷ 6 – 2 + 5 x 3 = ?

(a) 17

(b) 21

(c) 23

(d) 26

Answer: (c)

11. If 3 # 6 * 9 = 45 and 9 # 8 * 7 = 105, then what is the value of 5 * 6 # 3 = ?

(a) 14

(b) 68

(c) 86

(d) 90

Answer: (b)

14. 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 bags are tables. II. No table is red. Conclusions: I. Some bags are red. II. All bags are red.

(a) Only conclusion (I) follows.

(b) Only conclusion (II) follows.

(c) Neither conclusion (I) nor conclusion (II) follo

(d) Both conclusions follow.

Answer: (c)

22. Which of the following rate is charged by banks to their most credit worthy customers?

(a) Prime Lending Rate

(b) Statutory Liquidity Rate

(c) Bank Rate

(d) Repo Rate

Answer: (a)

23. Medium term loans are provided for a period of _____.

(a) 1 year to 2 years

(b) 15 months to 3 years

(c) 15 months to 4 years

(d) 1 year to 3 years

Answer: (d)

24. Which of the following is a feature of federal Government?
    (a) Supremacy of Parliament
    (b) Supremacy of Judiciary
    (c) Division of powers between federal and state Government
    (d) Single citizenship

    Answer: (c)

25. Under which article, President of India can proclaim financial emergency?
    (a) Article 32
    (b) Article 349
    (c) Article 360
    (d) Article 355

    Answer: (c)

General Awareness

26. Who was the founder of the Ghadar Party?
    (a) Basant Kumar Biswas
    (b) Sohan Singh Bhakna
    (c) Ram Prasad Bismil
    (d) Bhagat Singh

    Answer: (b)

27. In which year (in AD) was the East India Company established?
    (a) 1664
    (b) 1632
    (c) 1600
    (d) 1608

    Answer: (c)

28. Himalayan mountain range falls under which type of mountains?
    (a) Block Mountain
    (b) Residual Mountain
    (c) Accumulated Mountain
    (d) Fold Mountain

    Answer: (d)

29. 'Norwesters' are thunder storms which are prominent in _____.
    (a) India and Bhutan
    (b) Bhutan and Nepal
    (c) India and Bangladesh
    (d) Bangladesh and Myanmar

    Answer: (c)

30. UV rays coming from Sun, majorly causes which cancer?
    (a) Lungs cancer
    (b) Liver cancer
    (c) Mouth cancer
    (d) Skin cancer

    Answer: (d)

31. Which of the following is the largest mammal?
    (a) Whale
    (b) Rhinoceros
    (c) Elephant
    (d) Human

    Answer: (a)

32. What is the full form of RNA?
    (a) Ribonucleic Acid
    (b) Ribonitric Acid
    (c) Ribonutrient Acid
    (d) Reverse Nucleic Acid

    Answer: (a)

33. At which of the following place, weight of an obje s maximum?
    (a) At poles
    (b) At equator
    (c) At tropic of Capricorn
    (d) At tropic of cancer

    Answer: (a)

34. What is the SI unit of temperature?
    (a) Kelvin
    (b) Joule
    (c) Celsius
    (d) Fahrenheit

    Answer: (a)

35. Netscape Navigator is a _____.
    (a) graphical user interface
    (b) programming language
    (c) web browser
    (d) processor

    Answer: (c)

36. What is nature of pH of Milk?
    (a) Slightly Acidic
    (b) Slightly Basic
    (c) Highly Acidic
    (d) Highly Basic
    Answer: (a)

37. Which among the following is not an example of emulsion?
    (a) Chocolate-Milk
    (b) Butter
    (c) Whipped Cream
    (d) Curd
    Answer: (d)

38. Kyoto Protocol's (an international treaty to reduce greenhouse gas emissions) first meeting was held at which country?
    (a) USA
    (b) Germany
    (c) Japan
    (d) Switzerland
    Answer: (c)

39. 'Lucky Grahak Yojana' and 'Digi Dhan Vyapar Yo a' to give cash awards to the customers and merchants was launched by which government bo
    (a) National Institution for Transforming ia
    (b) National Payments Corporation of India
    (c) Financial Stability and Development Council
    (d) Reserve Bank of India
    Answer: (a)

40. Who among the following devised the technique IVF (In vitro Fertilization)?
    (a) Sir Frank Whittle
    (b) Robert Edwards
    (c) Edward Jenner
    (d) Dr. Martin Cooper
    Answer: (b)

41. 'Wimbledon' is a place associated with which of the following sports?
    (a) Lawn tennis
    (b) Badminton
    (c) Hockey
    (d) Cricket
    Answer: (a)

43. Who is the recipient of Arjuna Award 2016 in the field of athletics?
(a) Vikas Gowda
(b) Lalita Babar
(c) Neeraj Chopra
(d) Seema Punia
Answer: (b)

44. Six Machine (I Don't Like Cricket ... . I Love It)' is an autobiography of which famous batsman?
(a) Virat Kohli
(b) AB De Velliers
(c) Chris Gayle
(d) Tillakaratne Dilshan
Answer: (c)

45. Which country is headed towards a confrontation over Gibraltar with Spain?
(a) France
(b) Morocco
(c) Germany
(d) United Kingdom
Answer: (d)

46. Which country has banned 'Facebook' ?
(a) China
(b) Bhutan
(c) Nepal
(d) Pakistan
Answer: (a)

47. A fraction becomes 6/5 when 5 is added to its numerator and becomes 1/2 when 4 is added to its denominator. What will be the value of the fraction?
(a) 8/9
(b) 7/10
(c) 7/8
(d) 6/11
Answer: (b)

49. The measure of the four successive angles of a quadrilateral are in the ratio 7 : 11 : 7 : 11. The quadrilateral is a _____.
(a) trapezium
(b) rectangle
(c) parallelogram
(d) square
Answer: (c)

50. What is the discount percentage offered on a book having marked price Rs 2150 being sold at Rs 1892?

(a) 12

(b) 13

(c) 14

(d) 16

Answer: (a)

Quantitative Aptitude

51. Rs 60500 is divided among A, B and C such that A receives 2/9 as much as B and C together and B receives 3/7 of as much as A and C together. What is the share of C (in Rs)? 60500

(a) 29850

(b) 30120

(c) 31350

(d) 37250

Answer: (c)

52. The average age of a class of 6 girls is x years. Four new girls having ages x – 2, x + 2, x + 4 and x + 6 joins the class. What is the new average age (in years) of the class?

(a) x + 1

(b) x + 2

(c) 2.5x

(d) x + 2.5

Answer: (a)

53. A dealer sells two machines at Rs 12000 each. On one it gains 32% and on the other it looses 32%. What is its profit/loss percentage in the whole transaction?

(a) No gain and no loss

(b) 1% loss

(c) 18% profit

(d) 10.24% loss

Answer: (d)

54. How much water (in litres) must be added to 80 litres solution of milk and water containing 10% milk, so that it becomes a 5% milk solution?

(a) 10

(b) 20

(c) 40

(d) 80

Answer: (d)

55. A bus travels 2/5 of a total journey at its usual speed. The remaining distance was covered by bus at 6/7 of its usual speed. Due to slow speed it reaches its destination 50 minutes late. If the total distance is 200 kms, then what is the usual speed (in km/hr) of bus?

(a) 20.57

(b) 24

(c) 28

(d) 26.52

Answer: (b)

56. For an amount, simple interest at the rate of interest of 12% per annum for 6 years is Rs 25920. What will be the compound interest (in Rs) on same amount at the rate of interest of 8% per annum compounding annually for 2 years?

(a) 4326.3

(b) 5563.4

(c) 5888.6

(d) 5990.4

Answer: (d)

57. If α and β are roots of the equation 3×2 – 13x + 14 = 0, then what is the value of (α/β) + (β/α)?

(a) 65/28

(b) 53/14

(c) 9

(d) 85/42

Answer: (d)

58. If a + b + c = 9 and ab + bc + ca = 18, then what is the value of a3 + b3 + c3 – 3abc?

(a) 189

(b) 243

(c) 361

(d) 486

Answer: (b)

59. If (x/y) + (y/x) = 1, then what is the value of x3 + y3?

(a) – 1

(b) 0

(c) 1

(d) 3

Answer: (b)

60. If 5x = 30-y = 6z, then what is the value of (xy + yz + zx)/xyz?

(a) 0

(b) 1

(c) 2

(d) 3

Answer: (a)

61. The internal bisectors of ∠Q and ∠R of triangle PQR meet at O. If ∠P = 70°, then what is the measure of ∠QOR (in degrees)?

(a) 110

(b) 115

(c) 125

(d) 135

Answer: (c)

62. If the areas of two similar triangle are in the ratio 5 : 7, then what is the ratio of the corresponding sides of these two triangles?

(a) 5 : 7

(b) 25 : 49

(c) √5 : √7

(d) 125 : 343

Answer: (c)

63. ABCD is an isosceles trapezium such that AD||BC, AB = 5 cm, AD = 8 cm and BC = 14 cm. What is the area (in cm2) of trapezium?

(a) 36

(b) 44

(c) 88

(d) 144

Answer: (b)

65. What is the simplified value of [(tan2 θ [illegible] in2 θ [illegible] an2 θ sin2 θ]?

(a) –1

(b) 0

(c) 1

(d) 2

Answer: (c)

66. If sec (3x – 20°) = cosec (3y + 20°), then what is the value of tan (x + y)?

(a) 1

(b) √3

(c) 1/√3

(d) 2√3

Answer: (c)

67. If cot A = n/(n + 1) and cot B = 1/(2n + 1), then what is the value of cot (A + B)?

(a) – 1

(b) 0

(c) 1

(d) 2

Answer: (a)

68. Which of the following type of car has the highest increase in sales from 2009 to 2012?
    (a) Hatchback
    (b) Both SUV and Hatchback
    (c) SUV
    (d) Sedan

    Answer: (c)

69. What is the simple annual growth rate (in %) in the sales of SUV from 2009 to 2012?
    (a) 90
    (b) 100
    (c) 133.33
    (d) 150

    Answer: (c)

70. What is the respective ratio of total sales of Sedan and total sales of SUV over the period of 4 years?
    (a) 23 : 31
    (b) 29 : 39
    (c) 43 : 31
    (d) 76 : 47

    Answer: (c)

71. If all the 3 categories increase by same rate in 20[illegible] over 2012 as they did in 2012 over 2011, then what will be the total approximate sales (in '000 uni[illegible] of all the 3 categories taken together in year 2013?
    (a) 2152
    (b) 2345
    (c) 3069
    (d) 3568

    Answer: (c)

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'. I was shocked to hear (1)/ that her husband (2)/ died of an accident. (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'. The reason for (1)/ his failure is because (2)/ he didn't study at all. (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. Virat Kohli added another feather _____ his cap by his wonderful performance in the one day match.

(a) in

(b) to

(c) into

(d) on

Answer: (b)

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. Only when _____ failed, the army resorted to force.

(a) efforts

(b) arrests

(c) persuasions

(d) manipulations

Answer: (c)

English Comprehension

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

(a) Beneficial

(b) Dangerous

(c) Innocuous

(d) Advantageous

Answer: (b)

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

(a) Annoying

(b) Revengeful

(c) Incidental

(d) Rigorous

Answer: (d)

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

(a) Calamitous

(b) Treachery

(c) Soothing

(d) Pliable

Answer: (c)

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

(a) Bolster

(b) Shrivel

(c) Mount

(d) Amplify

Answer: (b)

80. In the following question, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/Phrase. Live from hand to mouth

(a) Filthy rich people

(b) To be dependent on others

(c) To have enough money to live on and nothing extra

(d) Living in miserable conditions.

Answer: (c)

81. In the following question, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/Phrase. To face the music

(a) To bear the consequences

(b) To disparage someone

(c) To be hard of hearing

(d) To enjoy a musical concert

Answer: (a)

82. Improve the bracketed part of the sentence. He thanked me for what I (have done) for his wife.

(a) had done

(b) had been done

(c) have been done

(d) No improvement

Answer: (a)

83. Improve the bracketed part of the sentence. (Hardly nothing) was offered to the victims of the earthquake.

(a) Hardly something

(b) Hardly anything

(c) Hardly little

(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. Killing of one's own child

(a) Foeticide

(b) Filicide

(c) Infanticide

(d) Lupicide

Answer: (b)

85. In the following question, out of the four alternatives, select the alternative which is the best substitute of the phrase. A lover of work

(a) Oenophile

(b) Technophile

(c) Romanophile

(d) Ergophile

Answer: (d)

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

(a) Impression

(b) Personnal

(c) Terrorism

(d) Illiterate

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) Stupefaction

(b) Preferential

(c) Surveillence

(d) Detrimental

Answer: (c)

88. 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: It has been the handmaid of the ruling class. Q: Therefore, ever since the dawn of civilization, persons in power have always tried to supervise or control education. R: Education is an instrument which imparts knowledge and therefore, indirectly controls power. S: It is an old saying that knowledge is power.

(a) SQPR

(b) PRQS

(c) SRQP

(d) PSQR

Answer: (c)

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: This is despite the fact that there is a rampant migration of rural families to urban centres. Q: Generally the gains of being a unit of the urban population are less than the disadvantages and risks that are inbuilt in the urban life. R: Rural population still dominates the urban population as far as the number is considered. S: India is a country of villages.

(a) QRSP

(b) RPQS

(c) SRQP

(d) QPRS

Answer: (c)

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. The residents celebrated Diwali.

(a) Celebration of Diwali was done by the residents.

(b) Diwali has been celebrated by the residents.

(c) Diwali was celebrated by the residents.

(d) Diwali is celebrated by the residents.

Answer: (c)

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 foreman said to his workers "I cannot pay you higher wages."

(a) The foreman warned his workers that he cannot pay them higher wages.

(b) The foreman told his workers that he could not pay them higher wages.

(c) The foreman told his workers that they could not be paid higher wages.

(d) The foreman forbid his workers to pay higher wages.

Answer: (b)

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. It is not _____ to ignore all allegations of booth capturing and rigging as murmurs of _____ losers. _____ have come to light of intimidation of whole villages and communities to make them vote for a particular candidate or party. At times election officials have been _____ by unscrupulous politicians into turning a blind eye to _____ practices.

92. It is not _____ to ignore all allegations of booth capturing
    (a) realistic
    (b) reliable
    (c) required
    (d) essential
    Answer: (a)

93. and rigging as murmurs of _____ losers.
    (a) rational
    (b) disgruntled
    (c) huge
    (d) idealist
    Answer: (b)

94. _____ have come to light of intimidation of whole villages and communities
    (a) instances
    (b) sources
    (c) reasons
    (d) Ideas
    Answer: (a)

95. At times election officials have been _____ by unscrupulous politicians
    (a) decided
    (b) safeguarded
    (c) rejuvenated
    (d) threatened
    Answer: (d)

96. into turning a blind eye to _____ practices.
    (a) significant
    (b) rare
    (c) unjust
    (d) usual
    Answer: (c)

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

General Awareness

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

Quantitative Aptitude

51	**(c)**	52	**(a)**	53	**(d)**	54	**(d)**	55	**(b)**	56	**(d)**	57	**(d)**	58	**(b)**
59	**(b)**	60	**(a)**	61	**(c)**	62	**(c)**	63	**(b)**	65	**(c)**	66	**(c)**	67	**(a)**
68	**(c)**	69	**(c)**	70	**(c)**	71	**(c)**	72	**(c)**	73	**(b)**	74	**(b)**	75	**(c)**

English Comprehension

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