

PREVIOUS YEAR PAPER

SSC CGL 2017 Tier I — 20 August 2017, Shift 2

SSC CGL · 20 August 2017 · 1:15 PM - 2:15 PM

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

8 questions of the original paper are not included: those that need a figure or formatting we cannot show, that have no answer in the response sheet, or that we could not check against a second copy of the paper.

Questions from the Staff Selection Commission's paper of 20 August 2017, 1:15 PM - 2:15 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/previous-year-papers/ssc-cgl-2017-tier-1-20-aug-shift-2/

General Intelligence and Reasoning

1. Select the related word from the given alternatives. Plane : Pilot :: Ship : ?

- (a) Captain
- (b) Soldier
- (c) Navy
- (d) Major

Answer: (a)

2. Select the related letters from the given alternatives. DFI : ACF :: OQT : ?

- (a) LNQ
- (b) MNO
- (c) MOR
- (d) HJL

Answer: (a)

3. Select the related number from the given alternatives. 77 : 84 :: 121 : ?

- (a) 132
- (b) 144
- (c) 88
- (d) 212

Answer: (a)

4. Select the odd word from the given alternatives.

- (a) Hills
- (b) Valleys
- (c) Trees
- (d) Mountains

Answer: (c)

5. Select the odd letters from the given alternatives.

- (a) IKM
- (b) OQS
- (c) GEC
- (d) UWY

Answer: (c)

6. Select the odd number from the given alternatives.

- (a) 341
- (b) 342
- (c) 810
- (d) 405

Answer: (a)

7. A series is given, with one word missing. Choose the correct alternative from the given ones that will complete the series. nephew, anther, tenses, prunes, preens, ?

- (a) teen
- (b) pester
- (c) repent
- (d) return

Answer: (d)

8. A series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series. K, J, L, I, M, ?

- (a) G
- (b) H
- (c) F
- (d) N

Answer: (b)

9. A series is given, with one number missing. Choose the correct alternative from the given ones that will complete the series. -4, ? , 1, 3.5, 6, 8.5

- (a) 2
- (b) 1.5
- (c) -1.5
- (d) -2

Answer: (c)

10. Aarav's birthday is on Sunday, 12th March . On what day of the week will be Madhup's Birthday in the same year if Madhup was born on 10th August?

- (a) Thursday
- (b) Wednesday
- (c) Friday
- (d) Saturday

Answer: (a)

11. The weights of 4 boxes are 20, 30, 50 and 70 kilograms. Which of the following cannot be the total weight, in kilograms, of any combination of these boxes and in a combination a box can be used only once?

- (a) 170
- (b) 160
- (c) 120
- (d) 150

Answer: (b)

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

- (a) SHADE
- (b) MEDIAS
- (c) MASHED
- (d) AMUSED

Answer: (d)

13. If ENCRYPT is coded as VMXIBKG, then how will ARC be coded as?

ENROLL NOW
READ THEIR STORIES !

- (a) PQE
- (b) ZIX
- (c) ZSX
- (d) QTB

Answer: (b)

14. In a certain code language, '+' represents 'x', '-' represents '+', 'x' represents '÷' and '÷' represents '-'. What is the answer to the following question? $550 \times 22 - 24 \div 3 = ?$

- (a) 91
- (b) 97
- (c) 77
- (d) 68

Answer: (b)

15. If $9@7=4$; $6@1=10$; $7@4=6$; then what is the value of $8@2=?$

- (a) 1
- (b) 35
- (c) 26
- (d) 12

Answer: (d)

17. A man walks 3 km West, then turns South and walks 7 km, then turns East and walks 3 km, then turns to his right and walks 5 km. Where is he now with reference to her starting position?

- (a) 12 km North
- (b) 2 km South
- (c) 12 km South
- (d) 2 km North

Answer: (c)

18. In the question two statements are given, followed by two conclusions, I and II. You have to consider the statements to be true even if it seems to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follows from the given statements.

Statement 1 : Some books are diaries. Statement 2 : All books are paper.

Conclusion I : All diaries are paper. Conclusion II : Some paper are diaries.

- (a) Only conclusion I follows
- (b) Only conclusion II follows
- (c) Both I and II follow
- (d) Neither I nor II follows

Answer: (b)

General Awareness

26. A commodity market has a _____ structure, if there is one seller of the commodity, the commodity has no substitute, and entry into the industry by another firm is prevented.

- (a) Perfect Competition
- (b) Monopoly
- (c) Oligopoly
- (d) Monopolistic Competition

Answer: (b)

27. The short run average cost curve is ____ shaped.

- (a) U
- (b) V
- (c) X
- (d) W

Answer: (a)

28. "Foreign jurisdiction" is listed in the _____ list given in the Seventh Schedule in the Constitution of India.

- (a) Union
- (b) State
- (c) Global
- (d) Concurrent

Answer: (a)

29. Which Fundamental Right in the Indian Constitution includes abolition of untouchability?

- (a) Right to Liberty and Personal Freedom
- (b) Right to Freedom of Religion
- (c) Right to Equality
- (d) Cultural and Educational Rights

Answer: (c)

30. _____, succeeded to the throne of Ferghana in 1494 when he was only 12 years old.

- (a) Humayun
- (b) Akbar
- (c) Jahangir
- (d) Babur

Answer: (d)

31. Name the British General who was responsible for the Jallianwalla Bagh massacre.

- (a) Hastings
- (b) Cornwallis
- (c) Dyer
- (d) Dalhousie

Answer: (c)

32. _____ influences the rate of weathering and helps in soil formation.

- (a) Flora & Fauna
- (b) Time
- (c) Parent rock
- (d) Climate

Answer: (d)

33. The longitudes of main land of India extends between _____.

- (a) $68^{\circ}7'$ E and $97^{\circ}25'$ E
- (b) $68^{\circ}7'$ W and $97^{\circ}25'$ W
- (c) $68^{\circ}7'$ N and $97^{\circ}25'$ N
- (d) $68^{\circ}7'$ S and $97^{\circ}25'$ S

Answer: (a)

34. A healthy adult man has, on an average, _____ (in millions) of RBCs mm of blood. -3

- (a) 5 - 5.5
- (b) 4 - 4.5
- (c) 3 - 3.5
- (d) 6 - 6.5

-3

Answer: (a)

35. The female sex organs in a flower is the _____.

- (a) Zoospores
- (b) stamen
- (c) pistil
- (d) Chlorophyceae

Answer: (c)

36. Animals in which the cells are arranged in two embryonic layers are called _____.

- (a) Diploblastic
- (b) Extoderm
- (c) Triploblastic
- (d) Endoderm

Answer: (a)

37. An image formed by a plane mirror, that cannot be obtained on a screen is called _____.

- (a) Virtual image
- (b) Real image
- (c) Inverted image
- (d) Erect image

Answer: (a)

38. The force exerted by a magnet is an example of _____.

- (a) Non-contact force
- (b) Muscular force
- (c) Contact force
- (d) Electrostatic force

Answer: (a)

39. A _____ is a collection of letters, digits, punctuation characters, and so on.

- (a) Numbers
- (b) String
- (c) Arrays
- (d) Boolean Values

Answer: (b)

40. A change in which a substance undergoes a change in its physical properties is called _____.

- (a) Chemical Properties
- (b) Physical Properties
- (c) Chemical Change
- (d) Physical Change

Answer: (d)

41. The process of depositing a layer of zinc on iron is called _____ .

- (a) Galvanisation
- (b) Crystallisation
- (c) Rusting
- (d) Baking

Answer: (a)

42. _____ is the most ecologically relevant environmental factor.

- (a) Water
- (b) Temperature
- (c) Light
- (d) Soil

Answer: (b)

43. _____ project is an ambitious Union Government Project which integrates the efforts to clean and protect the Ganga river in a comprehensive manner.

- (a) Uday Desh Ka Aam Nagrik
- (b) Urja Ganga
- (c) Ek Bharat Shrestha Bharat
- (d) Namami Ganga Yojana

Answer: (d)

44. Who discovered Antarctica?

- (a) James Cook
- (b) Friedrich Miescher
- (c) George Crum
- (d) Christopher Columbus

Answer: (a)

45. The final of 2014 FIFA Men's World Cup was played between which of the following countries?

- (a) France and Argentina
- (b) Germany and France
- (c) Germany and Argentina
- (d) Italy and Germany

Answer: (c)

46. Bikaner school, Jaipur school, Marwar school, Mewar school are all schools of?

- (a) Miniature paintings
- (b) Rajput paintings
- (c) Madhubani paintings
- (d) Cave paintings

Answer: (b)



47. Which film won the award for Best Film at the 61st Filmfare Award held in 2016?

- (a) Tubelight
- (b) Sultan
- (c) Bajirao Mastani
- (d) Badlapur

Answer: (c)

48. Which of the statements given below are correct? 1. The author of 'My Country My Life' is L.K Advani. 2. 'Wings of Fire' is an Autobiography of Subhash Chandra. 3. The author of 'The Great Indian Novel' is Shashi Tharoor.

- (a) 1 and 2
- (b) 2 and 3
- (c) 1 and 3
- (d) 1, 2 and 3

Answer: (c)

49. IMF has predicted that the global economy would grow at _____ % in 2017.

- (a) 5.5
- (b) 4.5
- (c) 3.5
- (d) 2.5

Answer: (c)

50. Citizen of which neighbouring country does not require a passport or visa to enter India?

- (a) Pakistan
- (b) Bangladesh
- (c) Nepal
- (d) China

Answer: (c)

Quantitative Aptitude

51. What is the HCF of 6345 and 2160?

- (a) 45
- (b) 135
- (c) 270
- (d) 15

Answer: (b)

52. A can do a work in 24 days and B in 40 days. If they work on it together for 10 days, then what fraction of work is left?

- (a) $\frac{1}{2}$
- (b) $\frac{1}{3}$
- (c) $\frac{2}{3}$
- (d) $\frac{3}{4}$

Answer: (b)

53. What is the circumference (in cm) of a circle whose area is 616 sq cm?

- (a) 44
- (b) 66
- (c) 22
- (d) 88

Answer: (d)

54. If a retailer offers a discount of 20% on the marked price of his goods and thus ends up selling at cost price, what was the % mark up?

- (a) 20
- (b) 25
- (c) 30
- (d) 40

Answer: (b)

55. In an MBA selection process, the ratio of selected to unselected was 11:2. If 40 less had applied and 20 less selected, the ratio of selected to unselected would have been 10:1. How many candidates had applied for the process?

- (a) 220
- (b) 260
- (c) 300
- (d) 340

Answer: (b)

56. What is the average of all natural numbers from 21 to 39?

- (a) 30
- (b) 31
- (c) 29
- (d) 28

Answer: (a)

57. A farmer buys a goat and a sheep for Rs 3500. He sold the sheep at a profit of 20 percent and the goat at a loss of 10 percent. If he sold both the animals at the same price, then the cost price (in Rs) of the cheaper animal was?

- (a) 2000
- (b) 1500
- (c) 1750
- (d) 2250

Answer: (b)

58. Two numbers are 10% and 20% lesser than a third number respectively. By how much percent is the second number should be enhanced to make it equal to the first number?

- (a) 10
- (b) 15
- (c) 12.5
- (d) 8

Answer: (c)

59. Two cars A and B travel from one city to another, at speeds of 35 km/hr and 45 km/hr respectively. If car B takes 2 hours lesser time than car A for the journey, then the distance (in kms) between the two cities is?

- (a) 345
- (b) 375
- (c) 415
- (d) 315

Answer: (d)

60. At what rate of compound interest (in %) per annum will a sum of Rs. 15,000 become Rs. 18,150 in 2 years?

- (a) 11
- (b) 10
- (c) 9
- (d) 12

Answer: (b)

61. If $9x - [5(2x + 1)/2] = 9/2$, then the value of x is?

- (a) $7/4$
- (b) $-7/4$
- (c) $4/7$
- (d) $-4/7$

Answer: (a)

62. If $a + b = 4$ and $ab = -21$, then what is the value of $a^3 + b^3$?

- (a) 370
- (b) 158
- (c) 185
- (d) 316

Answer: (d)

63. The sum of a fraction and 10 times its reciprocal is $37/4$. What is the fraction?

- (a) $5/4$
- (b) $4/5$
- (c) $3/4$
- (d) $4/3$

Answer: (a)

64. The 2nd and 6th term of an arithmetic progression are 8 and 20 respectively. What is the 20th term?

- (a) 56
- (b) 65
- (c) 62
- (d) 59

Answer: (c)

65. What is the reflection of the point (3, 2) in the line $y = -2$?

- (a) (-7, 2)
- (b) (-3, -6)
- (c) (-7, -2)
- (d) (3, -6)

Answer: (d)

66. What is the distance between the points (3, 6) and (-2, -6)?

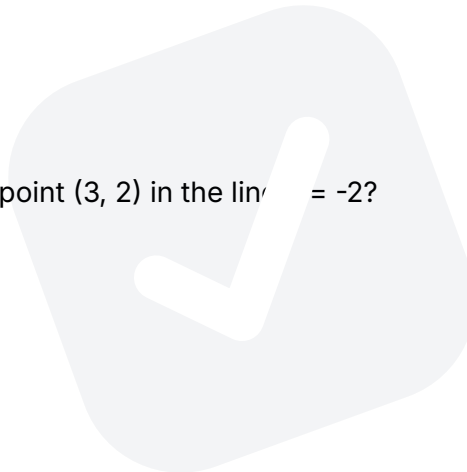
- (a) 15
- (b) 13
- (c) 11
- (d) 12

Answer: (b)

67. What is the equation of a line which has 3 as x-intercept and -5 as y-intercept?

- (a) $3x - 5y = 15$
- (b) $5x - 3y = 15$
- (c) $5x + 3y = 15$
- (d) $3x + 5y = 15$

Answer: (b)



68. $\triangle ABC$ is right angled at B. BD is an altitude. DC = 9 cm and AC = 25 cm. What is the value of BC (in cm)?

- (a) 12
- (b) 18
- (c) 16
- (d) 15

Answer: (d)

69. What is the value of $\tan 45^\circ - \frac{1}{\sqrt{3}} \sec 60^\circ$?

- (a) $(1 - 2\sqrt{3})/2$
- (b) $(\sqrt{2} - \sqrt{3})/\sqrt{6}$
- (c) $(3 - 2\sqrt{3})/3$
- (d) $(1 - 2\sqrt{2})/2$

Answer: (c)

70. $\triangle DEF$ is right angled at E. If $m\angle D = 30^\circ$, what is the length of DE (in cm), if $EF = 6\sqrt{3}$ cm?

- (a) 18
- (b) $12\sqrt{3}$
- (c) $18\sqrt{3}$
- (d) 12

Answer: (a)

71. If $\sin \theta = 20/29$, then what is the value of $\sec \theta$?

- (a) $29/21$
- (b) $29/20$
- (c) $21/20$
- (d) $21/29$

Answer: (a)

72. Which two models have the same memory size?

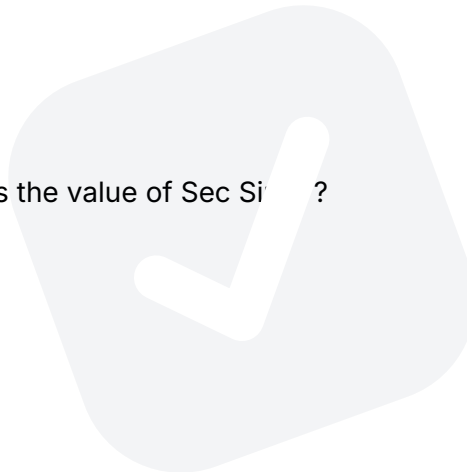
- (a) E and C
- (b) B and D
- (c) D and A
- (d) A and E

Answer: (c)

73. Even if memory of model C was doubled it would be lesser (in GB) than that of model A by?

- (a) 8
- (b) 12
- (c) 4
- (d) 16

Answer: (a)



74. Even if memory of model D was halved it would be greater (in %) than that of model B by?

- (a) 300
- (b) 400
- (c) 75
- (d) 50

Answer: (a)

75. If price of model E is increased by Rs 12,000 and its memory is doubled the sales remain unchanged. This implies that people are willing to pay Rs _____ per extra GB of memory space.

- (a) 1200
- (b) 1500
- (c) 1000
- (d) 800

Answer: (b)

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'. My sister had a tough time (1)/removing the chewing gum that (2)/stuck with her hair.(3)/No Error (4)

- (a) 1
- (b) 2
- (c) 3
- (d) 4

Answer: (c)

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 Captain along with (1)/his team has been (2)/invited to the function.(3)/No Error (4)

- (a) 1
- (b) 2
- (c) 3
- (d) 4

Answer: (d)

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. Common adverse _____ of this medication include, bleeding, nausea and vomiting.

- (a) affects
- (b) effect
- (c) effects
- (d) affect

Answer: (c)

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.
_____ to my political rival's statement, the data reveals crime has not increased in this country.

- (a) Accepting
- (b) Contrary
- (c) Reference
- (d) Assisting

Answer: (b)

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

- (a) Lucid
- (b) Patent
- (c) Abyss
- (d) Palpable

Answer: (c)

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

- (a) Vault
- (b) Azure
- (c) Lid
- (d) Dimension

Answer: (d)

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

- (a) Rebuke
- (b) Snub
- (c) Nix
- (d) Praise

Answer: (d)

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

- (a) Ebb
- (b) Fade
- (c) Extend
- (d) Wane

Answer: (c)

84. In the following question, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/phrase. Ball is in your court

- (a) Put the blame on the other person.
- (b) Request someone to return your belonging.
- (c) It is up to you to make the next decision or step.
- (d) To tell someone politely about his/her mistake.

Answer: (c)

85. In the following question, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/phrase. Best of both worlds

- (a) Two best teams compete with each other.
- (b) A situation wherein someone has the privilege of enjoying two different opportunities.
- (c) Gods who rule heaven and earth.
- (d) A person who is respected even by his enemies.

Answer: (b)

86. In the following question, out of the four alternatives, select the alternative which will improve the bracketed part of the sentence. In case no improvement is needed, select "no improvement".
The shoes were very expensive; I couldn't afford (to buying) them.

- (a) buying
- (b) to buy
- (c) bought
- (d) no improvement

Answer: (b)

87. In the following question, out of the four alternatives, select the alternative which will improve the bracketed part of the sentence. In case no improvement is needed, select "no improvement".
After they (had finished) eating they went for a walk.

- (a) no improvement
- (b) have finished
- (c) finish
- (d) will finish

Answer: (a)

88. In the following question, out of the four alternatives, select the alternative which is the best substitute of the words/sentence. Interrupt (a public speaker) with derisive or aggressive comments or abuse

- (a) Heckle
- (b) Soothe
- (c) Allay
- (d) Dulcify

Answer: (a)

89. In the following question, out of the four alternatives, select the alternative which is the best substitute of the words/sentence. Not being what it purports to be

- (a) Legitimate
- (b) Palpable
- (c) Evident
- (d) Spurious

Answer: (d)

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

- (a) castegated
- (b) castigatad
- (c) castigated
- (d) casttigated

Answer: (c)

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

- (a) poseses
- (b) posesses
- (c) possesses
- (d) posseses

Answer: (c)

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. The room which yielded so X-the fourth floor of a Y-boarding-house in Bleecker Street Z-much satisfaction to the two boys was on

- (a) XZY
- (b) YXZ
- (c) ZXY
- (d) ZYX

Answer: (c)

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. By the time government X-offices or educational institutions Y-open, many daylight Z-hours are already lost

- (a) YZX
- (b) ZXY
- (c) XYZ
- (d) XZY

Answer: (c)

94. In the following question, a sentence has been given in Active/Passive voice. Out of the four alternatives suggested, select the one which best expresses the same sentence in Passive/Active voice. Sarla changed the curtains.

- (a) Sarla changes the curtains.
- (b) The curtains were changed by Sarla.
- (c) The curtain was changed by Sarla.
- (d) Sarla was the one by whom the curtains were changed.

Answer: (b)

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. My father said to the stranger, "Where do you live?"

- (a) My father asked the stranger where he lives.
- (b) My father asked the stranger where he has been living.
- (c) My father asked where he lives to the stranger.
- (d) My father asked the stranger where he lived.

Answer: (d)

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.

My coat's pretty warm, even though it cost £9.99 and came from the flea market. It had a label in it, CHRISTIN BIOR, but I cut it out as soon as I got home. You can't work where I work and have CHRISTIN BIOR in your coat. You could have a genuine vintage Christian Dior label. Or something Japanese. Or maybe no label because you make your clothes yourself out of retro fabrics that you source at Alfies Antiques. But not CHRISTIN BIOR. As I get to the Cannon Bridge, I start to feel a knot of tension. I really don't want to be late today. My boss has started giving all sorts of hissy fits about people "swanning in at all times," so I left an extra twenty minutes early, in case it was a bad day. I can already see: It's a god-awful day. They've been having a lot of problems on our line recently and keep cancelling trains with no warning. Trouble is, in London rush hour, you can't just cancel trains. What are all the people who were planning to get on that train supposed to do? Evaporate?

96. What aspect of the coat she wanted to hide?

- (a) That it was too warm.
- (b) That it was a cheap copy.
- (c) That it was expensive.
- (d) That it was from a luxury market.

Answer: (b)

97. The author would prefer to be seen wearing all of the following types of clothes, except?

- (a) Those with the Christian Dior label.
- (b) Any Japanese brand.
- (c) Clothes stitched by herself.
- (d) Those with the CHRISTIN BIOR label.

Answer: (d)

98. Why is her boss angry?

- (a) Because he has started suffering from fits.
- (b) Because it is a bad day.
- (c) Because she was late the day before.
- (d) Because employees are coming late to work.

Answer: (d)

99. What has been the problem with London trains lately?

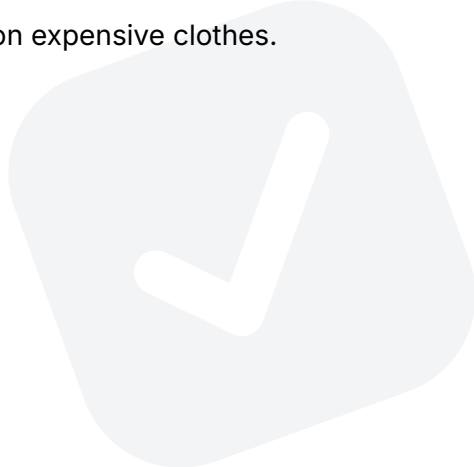
- (a) The trains have become awful.
- (b) There are more trains during rush hour.
- (c) People are late to work because of train delays.
- (d) Trains are cancelled without prior intimation.

Answer: (d)

100. Which of the following situations creates a 'bad day' for the author?

- (a) Being caught wearing a cheap brand coat.
- (b) Cancelled trains during London rush hour.
- (c) When other employees are on time but she is late.
- (d) Having to spend money on expensive clothes.

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	(a)	2	(a)	3	(a)	4	(c)	5	(c)	6	(a)	7	(d)	8	(b)
9	(c)	10	(a)	11	(b)	12	(d)	13	(b)	14	(b)	15	(d)	17	(c)
18	(b)														

General Awareness

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

Quantitative Aptitude

51	(b)	52	(b)	53	(d)	54	(b)	55	(b)	56	(a)	57	(b)	58	(c)
59	(d)	60	(b)	61	(a)	62	(d)	63	(a)	64	(c)	65	(d)	66	(b)
67	(b)	68	(d)	69	(c)	70	(a)	71	(a)	72	(c)	73	(a)	74	(a)
75	(b)														

English Comprehension

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