

PREVIOUS YEAR PAPER

## SSC CGL 2019 Tier I — 3 March 2020, Shift 2

SSC CGL · 3 March 2020 · 1:00 PM - 2:00 PM

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

38 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 3 March 2020, 1:00 PM - 2:00 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-2019-tier-1-3-mar-shift-2/](https://exambharo.com/previous-year-papers/ssc-cgl-2019-tier-1-3-mar-shift-2/)

### General Intelligence and Reasoning

3.

In a certain code language, 'PEN' is coded as '321028'. How will 'TUB' be coded as in that language?

(a)

40422

(b)

40424

(c)

42404

(d)

44024

**Answer: (b)**

12.

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

**Statements:**

1. All dogs are lions.
2. No elephant is a lion.

**Conclusions:**

- I. No dog is an elephant.
- II. No lion is a dog.
- III. Some elephants are dogs.

(a)

Only conclusion I follows.

(b)

Only conclusions II and III follow.

(c)

Only conclusions I and III follow.

(d)

Only conclusion II follows.

**Answer: (a)**

16.

In an exam of 80 questions, a correct answer is given +1 mark, a wrong answer is given -1 mark, and if a question is not attempted there are zero marks. If a student attempted only 80% of the questions and got 32 marks, then how many questions did he answer correctly?

(a)

32

(b)

48

(c)

16

(d)

56

**Answer: (b)**

18.

Study the given pattern carefully and select the number that can replace the question mark (?) in it.

|    |    |     |
|----|----|-----|
| 5  | 4  | 41  |
| 15 | 6  | ?   |
| 9  | 11 | 202 |

(a)

212

(b)

209

(c)

261

(d)

122

**Answer: (c)**

19.

Arrange the following words in a logical and meaningful order.

1. Hexagon
2. Nonagon
3. Pentagon
4. Heptagon
5. Octagon

(a)

3-1-4-5-2

(b)

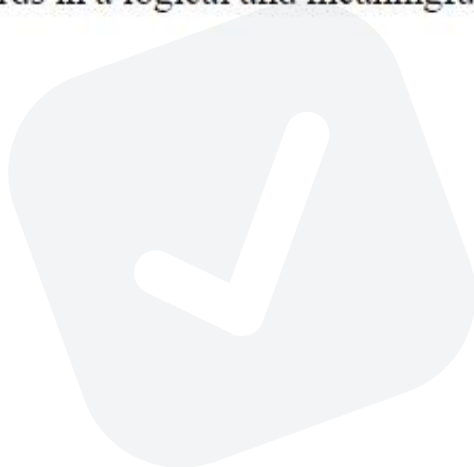
1-4-5-2-3

(c)

1-3-4-5-2

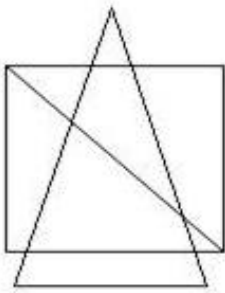
(d)

4-3-1-2-5

**Answer: (a)**

25.

How many triangles are there in the given figure?



(a)

8

(b)

10

(c)

12

(d)

6

**Answer: (b)**

### General Awareness

1. Ajatashatru, a ruler of the Haryanka Dynasty, was the son of \_\_\_\_.

(a) Bimbisara

(b) Naga-Dasak

(c) Anurudha

(d) Udayin

**Answer: (a)**

3. Wings India 2020 is scheduled to be held in which of the following airports?

(a) Warangal Airport

(b) Begumpet Airport

(c) Vijayawada Airport

(d) Rajahmundry Airport

**Answer: (b)**

4. In which district of Karnataka is the Brahmagiri Wildlife Sanctuary located?

(a) Hassan

(b) Mandya

(c) Kodagu

(d) Udipi

**Answer: (c)**

5. In which state has the Khadi and Village Industries Commission (KVIC) opened the first silk processing plant?

- (a) Karnataka
- (b) Gujarat
- (c) Tamil Nadu
- (d) Maharashtra

**Answer: (b)**

6. In which state was the Global Investors Meet, ASCEND 2020 organised?

- (a) Kerala
- (b) Gujarat
- (c) Rajasthan
- (d) Maharashtra

**Answer: (a)**

7. Which of the following glands is present between the lungs?

- (a) Thymus
- (b) Hypothalamus
- (c) Pituitary
- (d) Pineal

**Answer: (a)**

8. Which of the following is the major component of agar?

- (a) Lactic acid
- (b) Nitric acid
- (c) Acetic acid
- (d) Citric acid

**Answer: (c)**

9. In which of the following countries was the 95th edition of the prestigious Hastings International Chess Congress held?

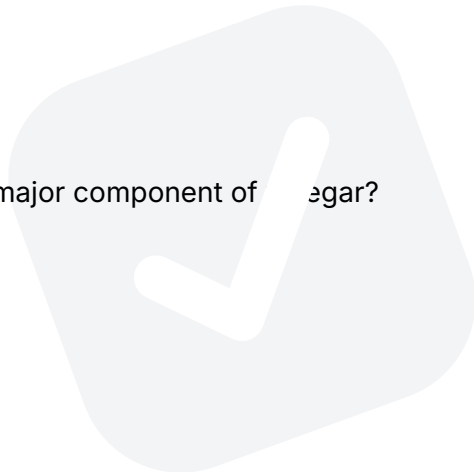
- (a) Australia
- (b) England
- (c) France
- (d) Belgium

**Answer: (b)**

10. In which year was the foundation stone for the Gateway of India laid in Bombay (now Mumbai)?

- (a) 1920
- (b) 1915
- (c) 1913
- (d) 1905

**Answer: (c)**



11. Which state's Legislative Assembly adopted a new logo consisting of the national emblem and foxtail orchid (*Rhynchosyris Retusa*), the state flower, in January 2020?

- (a) Tripura
- (b) Meghalaya
- (c) Mizoram
- (d) Arunachal Pradesh

**Answer: (d)**

13. Which of the following was previously known as 'the Lady Willingdon Park'?

- (a) Lodhi Gardens
- (b) Mughal Gardens
- (c) Deer Park
- (d) Buddha Jayanti Park

**Answer: (a)**

14. In January 2020, Home Minister Amit Shah released a book 'Karmayoddha Granth'. This book is based on the life of \_\_\_\_\_.

- (a) Sardar Vallabhbhai Patel
- (b) Jawaharlal Nehru
- (c) Mahatma Gandhi
- (d) Narendra Modi

**Answer: (d)**

15. Who among the following was the last ruler of the Maurya dynasty?

- (a) Kaivarta
- (b) Panduka
- (c) Dhanananda
- (d) Govishanaka

**Answer: (c)**

16. Archaeologist R Nagaswamy was honoured at the Silver Jubilee International Conference of Art by which country?

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

**Answer: (c)**

17. What was India's position in the Brand Finance Nation ranking of 2019?

- (a) Seventh
- (b) Fifth
- (c) Third
- (d) Sixth

**Answer: (a)**

18. Borra caves are situated on the East Coast of India in which of the following hills?

- (a) Ananthagiri Hill
- (b) Nallamala Hills
- (c) Horsley Hills
- (d) Nagari Hills

**Answer: (a)**

19. When we cut an onion, the synthase enzyme converts the amino acid sulfoxides of the onion into which acid?

- (a) Nitric acid
- (b) Citric acid
- (c) Sulfenic acid
- (d) Sulphuric acid

**Answer: (c)**

20. In which of the following states is the Madhavpur Mela celebrated?

- (a) Bihar
- (b) Uttar Pradesh
- (c) Madhya Pradesh
- (d) Gujarat

**Answer: (d)**

21. Which law of physics states that the force between the two electric charges reduces to a quarter of its former value when the distance between them is doubled?

- (a) Coulomb's Law
- (b) Hooke's Law
- (c) Pascal's Law
- (d) Stefan's Law

**Answer: (a)**

22. Who became the first Indian equestrian to qualify for the Tokyo Olympics 2020?

- (a) Fouaad Mirza
- (b) Amit Sinsinwar
- (c) Sehej Singh Virk
- (d) Amar Sarin

**Answer: (a)**

23. 'Industry 4.0' is a complex cyber-physical system which synergies production with digital technologies. The Ministry of Railways and the Department of Science and Technology have joined hands in partnership with which institution for taking up a unique project on 'Industry 4.0'?

- (a) IIT Delhi
- (b) IIT Bombay
- (c) IIT Madras
- (d) IIT Kanpur

**Answer: (d)**

24. Who among the following was honoured with the 50th Dadasaheb Phalke Award?

- (a) Kamal Haasan
- (b) Amitabh Bachchan
- (c) Anupam Kher
- (d) Naseeruddin Shah

**Answer: (b)**

## Quantitative Aptitude

2.

A race track is in the shape of a ring whose inner and outer circumferences are 440 m and 506 m, respectively. What is the cost of levelling the track at ₹6/m<sup>2</sup>? (Take  $\pi = \frac{22}{7}$ )

- (a)  
₹18,966
- (b)  
₹24,832
- (c)  
₹19,866
- (d)  
₹29,799

**Answer: (d)**

6.

In  $\triangle ABC$ ,  $AB = AC$  and  $AL$  is perpendicular to  $BC$  at  $L$ . In  $\triangle DEF$ ,  $DE = DF$  and  $DM$  is perpendicular to  $EF$  at  $M$ . If (area of  $\triangle ABC$ ) : (area of  $\triangle DEF$ ) = 9:25, then  $\frac{DM+AL}{DM-AL}$  is equal to:

- (a)  
6
- (b)  
4
- (c)  
3
- (d)  
5

**Answer: (b)**

8.

The value of  $(18 \div 2 \text{ of } \frac{1}{4}) \times (\frac{2}{3} \div \frac{3}{4} \times \frac{5}{8}) \div (\frac{2}{3} \div \frac{3}{4} \text{ of } \frac{3}{4})$  is:

(a)

$$10\frac{2}{3}$$

(b)

$$8\frac{5}{8}$$

(c)

$$16\frac{7}{8}$$

(d)

$$2\frac{7}{64}$$

**Answer: (c)**

10.

$\Delta ABC$  is an equilateral triangle and  $AD \perp BC$ , where D lies on BC. If  $AD = 4\sqrt{3}$  cm, then what is the perimeter (in cm) of  $\Delta ABC$ ?

(a)

$$27$$

(b)

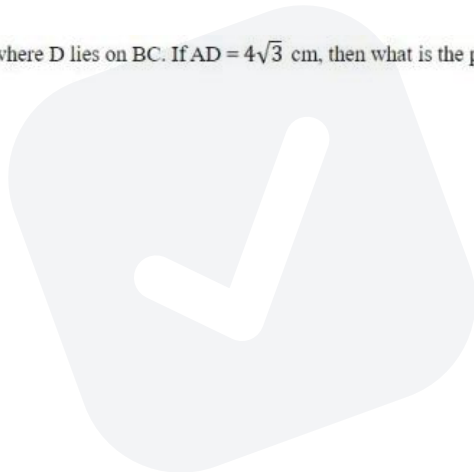
$$24$$

(c)

$$30$$

(d)

$$21$$

**Answer: (b)**

13.

The given table represents the number of engineers recruited by four companies A, B, C and D over the years. Study the table carefully and answer the question that follows.

| Company<br>Year | A   | B   | C   | D   |
|-----------------|-----|-----|-----|-----|
| 2014            | 120 | 90  | 85  | 105 |
| 2015            | 132 | 118 | 93  | 97  |
| 2016            | 128 | 98  | 94  | 100 |
| 2017            | 140 | 106 | 98  | 116 |
| 2018            | 148 | 112 | 105 | 125 |
| 2019            | 150 | 118 | 110 | 122 |

The total number of engineers recruited by company A in 2014 to 2017 is what percentage more than the total number of engineers recruited by all four companies in 2019?

(a)

3

(b)

3.5

(c)

2.5

(d)

4

**Answer: (d)**

15.

The average of the first four numbers is three times the fifth number. If the average of all the five numbers is 85.8, then the fifth number is:

(a)

33

(b)

34

(c)

39

(d)

29

**Answer: (a)**

20.

The value of the expression  $\operatorname{cosec}(85^\circ + \theta) - \sec(5^\circ - \theta) - \tan(55^\circ + \theta) + \cot(35^\circ - \theta)$  is:

(a)

$$\frac{3}{2}$$

(b)

$$0$$

(c)

$$-1$$

(d)

$$1$$

**Answer: (b)**

22.

If  $x^2 + 3x + 1 = 0$ , then what is the value of  $x^6 + \frac{1}{x^6}$ ?

(a)

$$324$$

(b)

$$322$$

(c)

$$318$$

(d)

$$327$$

**Answer: (b)**

23.

Anu fixes the selling price of an article at 25% above its cost of production. If the cost of production goes up by 20% and she raises the selling price by 10%, then her percentage profit is (correct to one decimal place):

(a)

$$16.4\%$$

(b)

$$14.6\%$$

(c)

$$13.8\%$$

(d)

$$15.2\%$$

**Answer: (b)**

25.

A dealer marks an article 40% above the cost price and sells it to a customer, allowing two successive discounts of 20% and 25% on the marked price. If he suffers a loss of ₹140, then the cost price (in ₹) of the article is:

- (a)  
900
- (b)  
840
- (c)  
872
- (d)  
875

**Answer: (d)**

## English Comprehension

1. Select the most appropriate word to fill in the blank. It is an \_\_\_\_\_ day to start your new business.

- (a) occasional
- (b) ominous
- (c) auspicious
- (d) audacious

**Answer: (c)**

2. In the sentence identify the segment which contains the grammatical error. The modern man is busy acquiring more and more wealth and designing ways to invest it in more sense pleasures.

- (a) designing ways to invest it
- (b) in more sense pleasures
- (c) modern man is busy
- (d) acquiring more and more wealth

**Answer: (b)**

3. Select the correct indirect form of the given sentence. He said to me, "What are you doing?"

- (a) He asked me what I was doing.
- (b) He asked me that what was I doing.
- (c) He said that what I was doing.
- (d) He said what I had been doing.

**Answer: (a)**

4. Select the most appropriate word to substitute the underlined word of the given sentence. If no substitution is required, select 'No improvement'.

There is a great degrade in values in modern age.

- (a) deliberation for values
- (b) degradation of values
- (c) demonstration from values
- (d) No improvement

**Answer: (b)**

5. Select the synonym of the given word. PATHETIC

- (a) Curious
- (b) Pitiful
- (c) Insignificant
- (d) Dull

**Answer: (b)**

**Passage — for questions 7–11**

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Machines were made to be man's servants. Yet, man has grown so (1)\_\_\_\_\_ on them that they are in a fair way to become his (2)\_\_\_\_\_. Already men spend most of their lives looking after and waiting (3)\_\_\_\_\_ machines. Machines are very stern bosses. They must be fed with coal and (4)\_\_\_\_\_ petrol to drink and oil to wash with and must be kept at an (5)\_\_\_\_\_ temperature.

7. Select the most appropriate option for blank no.

- (a) helpless
- (b) inferior
- (c) subordinate
- (d) dependent

**Answer: (d)**

8. Select the most appropriate option for blank no. 2

- (a) administrators
- (b) slaves
- (c) masters
- (d) victims

**Answer: (c)**

9. Select the most appropriate option for blank no. 3

- (a) under
- (b) into
- (c) from
- (d) upon

**Answer: (d)**

10. Select the most appropriate option for blank no. 4

- (a) gave
- (b) give
- (c) gives
- (d) given

**Answer: (d)**

11. Select the most appropriate option for blank no. 5

- (a) optimist
- (b) optional
- (c) outdated
- (d) optimum

**Answer: (d)**

12. Select one word for the following group of words. One who leaves his own country to settle in another

- (a) Native
- (b) Foreigner
- (c) Emigrant
- (d) Tourist

**Answer: (c)**

13. Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.

- A. Nevertheless, sound health, economic security and mental satisfaction are desired by all
- B. A change that is conducive to happiness is termed as progress.
- C. But different people find happiness in different things.
- D. So, If a change contributes to the growth of these factors, it is progress.

- (a) BCAD
- (b) BDCA
- (c) ABCD
- (d) DBCA

**Answer: (a)**

14. Select one word for the following group of words. A period of ten years

- (a) Century
- (b) Fortnight
- (c) Millennium
- (d) Decade

**Answer: (d)**

15. Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.

- A. Can I borrow your camera?
- B. I will give it back to you next week.
- C. I am going to jungle safari tomorrow.
- D. My friend told me that jungle is beautiful in these days.

- (a) CDAB
- (b) CADB
- (c) BACD
- (d) ADBC

**Answer: (a)**

16. Select the most appropriate meaning of the given idiom A snake in the grass

- (a) Difficult to find
- (b) A good friend
- (c) A well-wisher
- (d) A secret enemy

**Answer: (d)**

17. Select the antonym of the given word. VICIOUS

- (a) Baneful
- (b) Virtuous
- (c) Unfortunate
- (d) Sinful

**Answer: (b)**

18. In the sentence identify the segment which contains the grammatical error. The Prime Minister, along with the other ministers have left for America.

- (a) have left
- (b) for America
- (c) The Prime Minister along with
- (d) the other ministers

**Answer: (a)**

19. Select the wrongly spelt word.

- (a) Elegant
- (b) Flexible
- (c) Practicle
- (d) Flashy

**Answer: (c)**

20. Select the synonym of the given word. PENITENCE

- (a) Repentance
- (b) Patience
- (c) Misery
- (d) Admiration

**Answer: (a)**

21. Select the most appropriate segment to substitute the underlined segment of the given sentence. If no substitution is required select 'No improvement'

A man in need pleaded for help.

- (a) commanded to help
- (b) No improvement
- (c) promised for help
- (d) requested for helping

**Answer: (b)**

22. Select the wrongly spelt word.

- (a) Persuasion
- (b) Mansion
- (c) Extension
- (d) Ostentasion

**Answer: (d)**

23. Select the correct active form of the given sentence. The thief was being arrested by the police.

- (a) The police was arresting the thief.
- (b) The police had arrested the thief.
- (c) The police arrested the thief.
- (d) The police has arrested the thief.

**Answer: (a)**

24. Select the most appropriate meaning of the given idiom On shank's mare

- (a) On a bicycle
- (b) On a lion
- (c) On foot
- (d) On an elephant

**Answer: (c)**

25. Select the most appropriate word to fill in the blank. He \_\_\_\_\_ a heinous crime.

- (a) happened
- (b) committed
- (c) made
- (d) occurred

**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

|   |     |    |     |    |     |    |     |    |     |    |     |
|---|-----|----|-----|----|-----|----|-----|----|-----|----|-----|
| 3 | (b) | 12 | (a) | 16 | (b) | 18 | (c) | 19 | (a) | 25 | (b) |
|---|-----|----|-----|----|-----|----|-----|----|-----|----|-----|

### General Awareness

|    |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
|----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|
| 1  | (a) | 3  | (b) | 4  | (c) | 5  | (b) | 6  | (a) | 7  | (a) | 8  | (c) | 9  | (b) |
| 10 | (c) | 11 | (d) | 13 | (a) | 14 | (d) | 15 | (c) | 16 | (c) | 17 | (a) | 18 | (a) |
| 19 | (c) | 20 | (d) | 21 | (a) | 22 | (a) | 23 | (d) | 24 | (b) |    |     |    |     |

### Quantitative Aptitude

|    |     |    |     |   |     |    |     |    |     |    |     |    |     |    |     |
|----|-----|----|-----|---|-----|----|-----|----|-----|----|-----|----|-----|----|-----|
| 2  | (d) | 6  | (b) | 8 | (c) | 10 | (b) | 13 | (d) | 15 | (a) | 20 | (b) | 22 | (b) |
| 23 | (b) | 25 | (d) |   |     |    |     |    |     |    |     |    |     |    |     |

### English Comprehension

|    |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
|----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|
| 1  | (c) | 2  | (b) | 3  | (a) | 4  | (b) | 5  | (b) | 7  | (d) | 8  | (c) | 9  | (d) |
| 10 | (d) | 11 | (d) | 12 | (c) | 13 | (a) | 14 | (d) | 15 | (a) | 16 | (d) | 17 | (b) |
| 18 | (a) | 19 | (c) | 20 | (a) | 21 | (b) | 22 | (d) | 23 | (a) | 24 | (c) | 25 | (b) |

