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

Left out of the original paper: 38 (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 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/ssc-cgl/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 [illegible]ven −1 mark, and if a question is not attempted there are zero marks. If a student attempted only 80% of the que[illegible]s 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

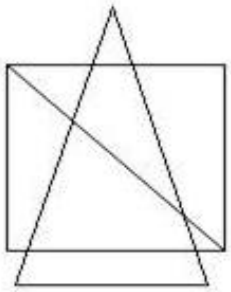
(c)
1-3-4-5-2

(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) Udupi
   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 vinegar?

(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 (Rhynchostylis 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 Nanda 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 betwe .he two electric charges reduces to a quarter of its former value when the distance betw 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^2 ? (Take $\pi = \frac{22}{7}$)

(a)
₹18,966

(b)
₹24,832

(c)
₹19,866

(d)
₹29,799

Answer: (d)

6.

In Δ ABC, AB = AC and AL is perpendicular to BC at L. In Δ DEF, DE = DF and DM is perpendicular to EF at M. If (area of Δ ABC) : (area of Δ 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 $(18 \div 2\ of\ \frac{1}{4}) \times (\frac{2}{3} \div \frac{3}{4} \times \frac{5}{8}) \div (\frac{2}{3} \div \frac{3}{4}\ of\ \frac{3}{4})$ is:

(a)

$10\frac{2}{3}$

(b)

$8\frac{5}{8}$

(c)

$16\frac{7}{8}$

(d)

$2\frac{7}{64}$

Answer: (c)

10.

ΔABC 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 ΔABC?

(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 → / 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 av 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 $cosec(85^\circ + \theta) - sec(5^\circ - \theta) - tan(55^\circ + \theta) + cot(35^\circ - \theta)$ 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 conta the grammatical error. The modern man is busy acquiring more and more wealth and designi 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 m[illegible]t of their lives looking after and waiting (3)_____ machines. Machines are very stern bosses. [illegible]y must be fed with coal and (4)_____ petrol to drink and oil to wash with and must be kept at an (5)[illegible]__ temperature.

7. Select the most appropriate option for bl[illegible] 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 <u>pleaded for help.</u>
    (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 gi[illegible] sen[illegible]ce. 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)**