PREVIOUS YEAR PAPER

SSC CGL 2019 Tier I — 4 March 2020, Shift 2

SSC CGL · 4 March 2020 · 1:00 PM - 2:00 PM

74 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: 26 (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 4 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-1-4-mar-shift-2/

General Intelligence and Reasoning

6.

Select the letter-cluster that can replace the question mark (?) in the following series.

AOS, CQU, ? , GUY, IWA

(a) FSX

(b) DRV

(c) ESW

(d) GSW

Answer: (c)

8.

Select the number that can replace the question mark (?) in the following series.

4, 25, 121, ? , 529, 961

(a) 361

(b) 256

(c) 324

(d) 289

Answer: (d)

9.

Four number-pairs have been given, out of which three are alike in some manner and one is different. Select the number-pair that is different from the rest.

(a)

8-138

(b)

11-143

(c)

6-174

(d)

5-155

Answer: (a)

11.

Select the option that is related to the third number in the same way as the second number is related to the first number.

6 : 252 :: 5 : ?

(a)

175

(b)

150

(c)

125

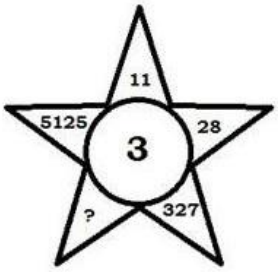
(d)

225

Answer: (b)

13.

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



(a)

446

(b)

464

(c)

4126

(d)

444

Answer: (b)

14.

Four letter-clusters have been given, out of which three are alike in some m r and one is different. Select the odd letter-cluster.

(a)

HFE

(b)

GMF

(c)

DVR

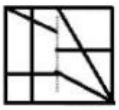
(d)

OVG

Answer: (a)

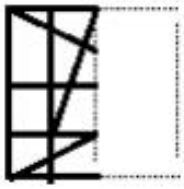
19.

Select the option that depicts how the given transparent sheet of paper would appear if it is folded at the dotted line.

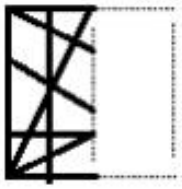


(a)

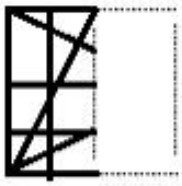
(b)



(c)



(d)



Answer: (d)

22.

In a certain code language, PYTHON' is written as 'LMFRWN'. How will 'RHYTHM' be written as in that language?

(a)

KFRWFP

(b)

NFRWFS

(c)

MFRWFT

(d)

MFRWFX

Answer: (a)

23.

Arrange the following words in a logical and meaningful order.

1. Micron
2. Metre
3. Mile
4. Millimetre
5. Kilometre
6. Centimetre

(a)
4-6-2-5-3-1

(b)
4-6-2-5-1-3

(c)
1-4-6-2-5-3

(d)
1-4-6-2-3-5

Answer: (c)

25.

Select the correct mirror image of the given figure when a mirror is placed on the right of the figure.

(a)

(b)

(c)

(d)

Answer: (a)

General Awareness

1. Who chaired the sixth meeting of the Island Development Agency in New Delhi in January 2020?
   (a) Nirmala Sitharaman
   (b) Nitin Gadkari
   (c) Amit Shah
   (d) Narendra Modi

   Answer: (c)

2. In the sequence of planets in the solar system, which planet comes in between Mars and Saturn?
   (a) Venus
   (b) Jupiter
   (c) Mercury
   (d) Uranus
   Answer: (b)

3. Freedom fighter Sucheta Kripalani, became the first woman chief minister of which state?
   (a) Uttar Pradesh
   (b) Gujarat
   (c) Andhra Pradesh
   (d) Rajasthan
   Answer: (a)

4. In which state did the second phase of Intensified Mission Indradhanush (IMI) 2.0 begin in January 2020?
   (a) Uttar Pradesh
   (b) Bihar
   (c) Kerala
   (d) Punjab
   Answer: (a)

5. Which of the following is NOT a nationalised bank?
   (a) Punjab and Sind Bank
   (b) Punjab National Bank
   (c) United Bank of India
   (d) State Bank of India
   Answer: (d)

6. Who is the first Indian to bag two International hat-tricks in cricket?
   (a) Kuldeep Yadav
   (b) Virat Kohli
   (c) Rohit Sharma
   (d) Kedar Jadhav
   Answer: (a)

7. In which city was the Jhanda Satyagraha or Flag Satyagraha of 1923 held?
   (a) Nagpur
   (b) Ahmedabad
   (c) Calcutta
   (d) Bombay
   Answer: (a)

8. Which part of the body is responsible for the manufacture of red blood cells?
   (a) Brain
   (b) Bone marrow
   (c) Heart
   (d) Lungs
   Answer: (b)

9. Which city in India is world renowned for one of the most traditional embroidery styles, Chikankari?
   (a) Ahmedabad
   (b) Hyderabad
   (c) Udaipur
   (d) Lucknow
   Answer: (d)

10. Which of the following is NOT a twin city of India?
   (a) Cuttack and Bhubaneswar
   (b) Thrissur and Thiruvalla
   (c) Hubli and Dharwad
   (d) Ahmedabad and Gandhinagar
   Answer: (b)

11. Which Tennis star will have a Swiss coin minted in his/her honour?
   (a) Serena Williams
   (b) Rafael Nadal
   (c) Roger Federer
   (d) Novak Djokovic
   Answer: (c)

12. Jellyfish are an example of which type of phylum?
   (a) Phylum -Protozoa
   (b) Phylum - Cnidaria
   (c) Phylum -Porifera
   (d) Phylum -Ctenophora
   Answer: (b)

13. Who was the first Governor of Madhya Pradesh?
   (a) BD Sharma
   (b) Dr. Sitaramayya
   (c) GP Singh
   (d) NN Wanchu
   Answer: (b)

14. John Maynard Keynes, best known for his economic theories (Keynesian economics), hailed from which country?

(a) Australia
(b) Denmark
(c) Sweden
(d) England

Answer: (d)

15. Georg Simon Ohm in whose honour we have the famous Ohm's Law, hailed from which country?

(a) Germany
(b) Russia
(c) Spain
(d) Poland

Answer: (a)

16. Which city of India is known as 'The Athens of the East'?

(a) Madurai
(b) Allahabad
(c) Kochi
(d) Patna

Answer: (a)

17. Who was chosen as foreign secretary of India in January 2020?

(a) Vijay Keshav Gokhale
(b) Ranjan Mathai
(c) Harsh Vardhan Shringla
(d) Nirupama Rao

Answer: (c)

18. Which Union Minister of Home Affairs released a book titled Karmayodha Granth in New Delhi?

(a) P Chidambaram
(b) Amit Shah
(c) Rajnath Singh
(d) Sushilkumar Shinde

Answer: (b)

19. In which period was the legendary Victoria Terminus station (currently Chhatrapati Shivaji Maharaj Terminus), Mumbai built?

(a) 1843 to 1853
(b) 1911 to 1921
(c) 1933 to 1943
(d) 1878 to 1888

Answer: (d)

20. Which US based Indian topped the Forbes India's ‘20 people to watch in the 2020s’ list?
    (a) Mahua Moitra
    (b) Dushyant Chautala
    (c) Hasan Minhaj
    (d) Prashant Kishor

    Answer: (c)

21. In which state has the Jawara Dance, a dance form to celebrate wealth, originated?
    (a) Gujarat
    (b) Kerala
    (c) Madhya Pradesh
    (d) Rajasthan

    Answer: (c)

22. Who was appointed as Managing Director of the International Monetary Fund in October, 2019?
    (a) Christine Lagarde
    (b) Rodrigo Rato
    (c) Dominique Strauss-Kahn
    (d) Kristalina Georgieva

    Answer: (d)

23. Which pillar inscriptions has recorded the achievements of Samudra Gupta, who was known as the 'Napoleon of India' for his conquests?
    (a) Sun Pillar
    (b) Iron Pillar
    (c) Allahabad Pillar
    (d) Vijaya Stambha

    Answer: (c)

25. Methane is a colourless, odourless, non-toxic but flammable gas. What is its common name?
    (a) Laughing gas
    (b) Blue vitriol
    (c) Heating gas
    (d) Marsh gas

    Answer: (d)

Quantitative Aptitude

3.

If $P = \frac{x^4 - 8x}{x^3 - x^2 - 2x}$, $Q = \frac{x^2 + 2x + 1}{x^2 - 4x - 5}$ and $R = \frac{2x^2 + 4x + 8}{x - 5}$, then $(P \times Q) \div R$ is equal to:

(a)

$\frac{1}{2}$

(b)

1

(c)

2

(d)

4

Answer: (a)

4.

The value of $\frac{5\frac{1}{2} \div 3\frac{2}{3} of \frac{1}{4} + \left(5\frac{1}{9} - 7\frac{7}{8} \div 9\frac{9}{20}\right) \times \frac{9}{11}}{5 \div 5 \, of \, \frac{1}{10} - 10 \times 10 \div 20}$ is:

(a)

$1\frac{4}{5}$

(b)

$1\frac{9}{10}$

(c)

$3\frac{4}{5}$

(d)

$9\frac{1}{2}$

Answer: (b)

5.

PRT is a tangent to a circle with centre O, at the point R on it. Diameter SQ of the circle is produced to meet the tangent at P and QR is joined. If ∠QRP = 28°, then the measure of ∠SPR is:

(a)

29°

(b)

34°

(c)

62°

(d)

32°

Answer: (b)

6.

In ΔPQR, $\angle Q = 85°$ and $\angle R = 65°$. Points S and T are on the sides PQ and PR, respectively such that $\angle STR = 95°$, and the ratio of the QR and ST is 9 : 5. If PQ = 21.6 cm, then the length of PT is:

(a)

10.5 cm

(b)

9.6 cm

(c)

12 cm

(d)

9 cm

Answer: (c)

8.

If $a + b + c = 7$ and $ab + bc + ca = -6$, then the value of $a^3 + b^3 + c^3 - 3abc$ is:

(a)

469

(b)

472

(c)

463

(d)

479

Answer: (a)

10.

The given table represents the revenue (in ₹ crores) of a company from the sale of four products A, B, C and D in 6 years. Study the table carefully and answer the question that follows.

Years → / Product ↓	2012	2013	2014	2015	2016	2017
A	98	94	80	95	110	115
B	74	96	92	84	98	86
C	82	98	96	88	93	103
D	74	102	92	93	97	102

By what percentage is the total revenue of the company from the sale of products A, B and D in 2012 and 2013 more than the total revenue from the sale of product B in 2013 to 2016?(Correct to one decimal place)

(a)

44.5

(b)

31.2

(c)

43.6

(d)

45.4

Answer: (d)

11.

The difference in compound interest on a certain sum at 10% p.. ear, when the interest is compounded half yearly and yearly, is ₹88.80. What is the simple interest on the same sum for $1\frac{2}{3}$ years at the same rate?

(a)

₹5,916

(b)

₹5,986

(c)

₹5,980

(d)

₹5,920

Answer: (d)

13.

The ratio of boys and girls in a group is 7 : 6. If 4 more boys join the group and 3 girls leave the group, then the ratio of boys to girls becomes 4 : 3. What is the total number of boys and girls initially in the group?

(a)

117

(b)

78

(c)

91

(d)

104

Answer: (d)

14.

In ΔABC, D and E are the points on sides AC and BC, respectively such that DE ∥ AB. F is a point on CE such that DF ∥ AE. If CE = 6 cm, and CF = 2.5 cm, then BC is equal to:

(a)

14.4 cm

(b)

15.6 cm

(c)

14 cm

(d)

12 cm

Answer: (a)

15.

Two chords AB and CD of a circle are produced to intersect each other at a point P outside the circle. If AB = 7 cm, BP = 4.2 cm and PD = 2.8 cm, then the length of CD is:

(a)

12 cm

(b)

14.6 cm

(c)

15.8 cm

(d)

14 cm

Answer: (d)

17.

The given table represents the revenue (in ₹ crores) of a company from the sale of four products A, B, C and D in 6 years. Study the table carefully and answer the question that follows.

Years → / Product ↓	2012	2013	2014	2015	2016	2017
A	98	94	80	95	110	115
B	74	96	92	84	98	86
C	82	98	96	88	93	103
D	74	102	92	93	97	102

The number of years in which the revenue of the company from the sale of product D is more than the average revenue from the sale of product A over six years, is:

(a)

4

(b)

1

(c)

3

(d)

2

Answer: (d)

18.

If $7sin^2\theta - cos^2\theta + 2sin\,\theta = 2, 0° < \theta <$ the value of $\frac{sec\,2\theta + cot2\theta}{cosec\,2\theta + tan\,2\theta}$ is:

(a)

$\frac{2\sqrt{3}+1}{3}$

(b)

1

(c)

$\frac{1}{5}(1 + 2\sqrt{3})$

(d)

$\frac{2}{5}(1 + \sqrt{3})$

Answer: (c)

21.

The expression $3sec^2\theta\ tan^2\theta + tan^6\theta - sec^6\theta$ is equal to:

(a)

-2

(b)

1

(c)

2

(d)

-1

Answer: (d)

23.

A cylindrical vessel of radius 30 cm and height 42 cm is full of water. Its contents are emptied into a rectangular tub of length 75 cm and breadth 44 cm. The height (in cm) to which the water rises in the tub is: (Take $\pi = \frac{22}{7}$)

(a)

36

(b)

30

(c)

40

(d)

45

Answer: (a)

24.

The value of $\frac{tan^2\theta - sin^2\theta}{2 + tan^2\theta + cot^2\theta}$ is:

(a)

$cosec^6\theta$

(b)

$cos^4\ \theta$

(c)

$sin^6\theta$

(d)

$sec^4\theta$

Answer: (c)

English Comprehension

1. Select the correctly spelt word.
   (a) Comotion
   (b) Conscinteous
   (c) Encouragement
   (d) Embarasment

   Answer: (c)

2. Select the most appropriate ANTONYM of the given word. Obsolete
   (a) Rigid
   (b) Recent
   (c) Remote
   (d) Outdated

   Answer: (b)

3. Select the word which means the same as the given group of words. One who loads and unloads ships.
   (a) Stevedore
   (b) Rustic
   (c) Spinster
   (d) Captain

   Answer: (a)

4. Select the most appropriate meaning of the given idiom. The bee's knees
   (a) Foolish
   (b) Observant
   (c) Problematic
   (d) Extraordinary

   Answer: (d)

5. Select the word which means the same as the given group of words. A sudden rush of a large number of frightened people or animals.
   (a) Lunacy
   (b) Scapegoat
   (c) Recluse
   (d) Stampede

   Answer: (d)

6. Select the most appropriate word to fill in the blank. A reward is a _____ which motivates a person to achieve excellence in his field.

(a) memorial
(b) monument
(c) collection
(d) recognition

Answer: (d)

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.
>
> Discipline is doing any work with rules and regulations. It is (1)_____ misunderstood as a restriction to freedom but it makes our life organized. Discipline is a (2)_____ for students and people in different professions. A disciplined person always (3)_____ in each and every field of life. Disciplined people (4)_____ a disciplined society and a powerful nation. Discipline should not be (5)_____ upon the people, rather it should come from within.

7. Select the most appropriate option for blank number (1)

(a) happily
(b) proudly
(c) slowly
(d) usually

Answer: (d)

8. Select the most appropriate option for blank num (2)

(a) disadvantage
(b) dream
(c) curse
(d) virtue

Answer: (d)

9. Select the most appropriate option for blank number (3)

(a) successful
(b) succeed
(c) success
(d) succeeds

Answer: (d)

10. Select the most appropriate option for blank number (4)

(a) makes
(b) had made
(c) make
(d) made

Answer: (c)

11. Select the most appropriate option for blank number (5)

(a) imposed

(b) curbed

(c) reposed

(d) adorned

Answer: (a)

12. Select the correct indirect form of the given sentence. The teacher said to me, “You have not submitted the assignment.”

(a) The teacher told me that I had not submitted the assignment.

(b) The teacher said to me that I have not submitted the assignment.

(c) The teacher told to me that I have not submitted that assignment.

(d) The teacher said me that I had not submitted the assignment.

Answer: (a)

13. In the sentence identify the segment which contains the grammatical error. When I reached the cinema hall, the movie had already began.

(a) already began

(b) When I reached

(c) the movie had

(d) the cinema hall

Answer: (a)

14. Select the most appropriate option to substitute the underlined segment in the given sentence.

No effort has been made by the Indian cricket [illegible] to cash off on its vibrant image in the World Cup.

(a) to cash up on

(b) for cash through in

(c) for cashing off on

(d) to cash in on

Answer: (d)

15. Select the most appropriate meaning of the given idiom. To throw a fit

(a) Express extreme anger

(b) Become unconscious

(c) Faint and fall down

(d) Caution someone about fitness

Answer: (a)

16. Select the correctly spelt word.

(a) Employeed

(b) Seperable

(c) Veterinary

(d) Rehersal

Answer: (c)

17. Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select No improvement.

The mathematical calculation of this problem is <u>easy than a</u> previous one.

(a) easiest than the

(b) easier than the

(c) easy than the

(d) No Improvement

Answer: (b)

18. Select the most appropriate synonym of the given word. Acknowledgement

(a) Confirmation

(b) Confusion

(c) Compensation

(d) Elimination

Answer: (a)

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

A. They can then purchase them on subsidized rates with additional loan facilities.

B. It will import technologically advanced medical instruments and provide them to entrepreneurs.

C. The Indian Government has announced certain facilities in the budget session.

D. This will help in strengthening the economic condition of entrepreneurs.

(a) DCAB

(b) BDCA

(c) CBAD

(d) CADB

Answer: (c)

20. Select the most appropriate word to fill in the blank. The government should take stringent steps against terrorists and foil their _____ designs.

(a) exemplary

(b) malicious

(c) conducive

(d) benevolent

Answer: (b)

21. Select the correct passive form of the given sentence. His elder sister taught him English.

(a) He has been taught English by his elder sister.

(b) He is being taught English by his elder sister.

(c) He was taught English by his elder sister.

(d) His elder sister is taught English by him.

Answer: (c)

22. In the sentence identify the segment which contains the grammatical error. Those who follow a healthy routine is likely enjoying good health.

(a) Those who follow

(b) good health

(c) is likely enjoying

(d) a healthy routine

Answer: (c)

23. Select the most appropriate ANTONYM of the given word. Derogatory

(a) Insulting

(b) Depreciating

(c) Intricate

(d) Complimentary

Answer: (d)

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

A. This is because of its aroma, flavour and variety in the market.

B. Thus, it leads to poor health and mental disorders among children.

C. Children as well as teenagers are tempted towards junk food.

D. It has no or negligible nutritional value and high content of sugar and salt.

(a) ACDB

(b) CADB

(c) BCDA

(d) CDAB

Answer: (b)

25. Select the most appropriate synonym of the given word. Prodigal

(a) Humble

(b) Trivial

(c) Extravagant

(d) Arrogant

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

6	**(c)**	8	**(d)**	9	**(a)**	11	**(b)**	13	**(b)**	14	**(a)**	19	**(d)**	22	**(a)**
23	**(c)**	25	**(a)**												

General Awareness

1	**(c)**	2	**(b)**	3	**(a)**	4	**(a)**	5	**(d)**	6	**(a)**	7	**(a)**	8	**(b)**
9	**(d)**	10	**(b)**	11	**(c)**	12	**(b)**	13	**(b)**	14	**(d)**	15	**(a)**	16	**(a)**
17	**(c)**	18	**(b)**	19	**(d)**	20	**(c)**	21	**(c)**	22	**(d)**	23	**(c)**	25	**(d)**

Quantitative Aptitude

3	**(a)**	4	**(b)**	5	**(b)**	6	**(c)**	8	**(a)**	10	**(d)**	11	**(d)**	13	**(d)**
14	**(a)**	15	**(d)**	17	**(d)**	18	**(c)**	21	**(d)**	23	**(a)**	24	**(c)**		

English Comprehension

1	**(c)**	2	**(b)**	3	**(a)**	4	**(d)**	5	**(d)**	6	**(d)**	7	**(d)**	8	**(d)**
9	**(d)**	10	**(c)**	11	**(a)**	12	**(a)**	13	**(a)**	14	**(d)**	15	**(a)**	16	**(c)**
17	**(b)**	18	**(a)**	19	**(c)**	20	**(b)**	21	**(c)**	22	**(c)**	23	**(d)**	24	**(b)**
25	**(c)**														