PREVIOUS YEAR PAPER

SSC CGL 2019 Tier I — 6 March 2020, Shift 2

SSC CGL · 6 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 6 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-1-6-mar-shift-2/

General Intelligence and Reasoning

2.

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.

(a)

56, 2

(b)

28, 5

(c)

14, 8

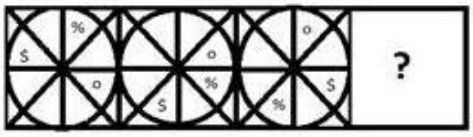
(d)

16, 7

Answer: (b)

5.

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



(a)

(b)

(c)

(d)

Answer: (a)

7.

In a certain code language, BREATHER is coded as 29512859. How will AVIATION be coded as in that language?

(a)

12910965

(b)

14912956

(c)

14912965

(d)

12912954

Answer: (c)

8.

Select the option in which the numbers are related in the same way as are the numbers in the given set.

(343, 98, 21)

(a)

(1728, 288, 24)

(b)

(512, 126, 27)

(c)

(1331, 242, 33)

(d)

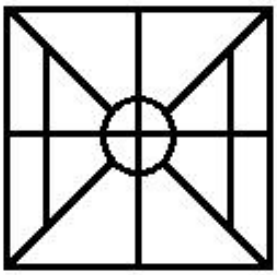
(217, 72, 18)

Answer: (c)

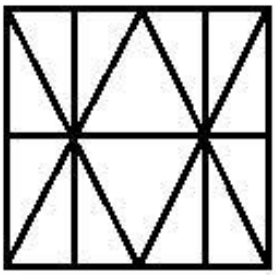
14.

Select the option figure in which the given figure is embedded (rotation is NOT allowed).

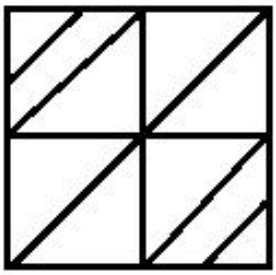
(a)



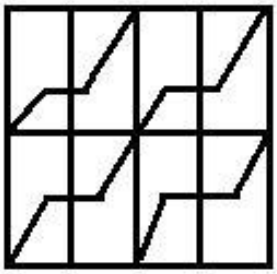
(b)



(c)



(d)



Answer: (b)

16.

The two given expressions on both the side of the '=' sign will have the same value if two numbers from either side or both side are interchanged. Select the correct numbers to be interchanged from the given options.

$4 + 6 \times 7 - 27 \div 3 = 7 \times 8 - 4 + 39 \div 3$

(a)

6, 4

(b)

8, 7

(c)

6, 8

(d)

3, 4

Answer: (c)

17.

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

10	4	7	5
15	7	8	25
14	3	6	12
10	?	14	65

(a)

10

(b)

16

(c)

14

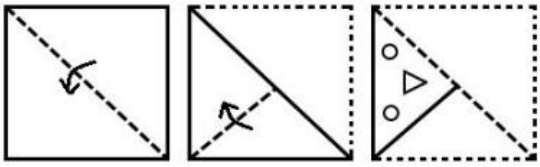
(d)

18

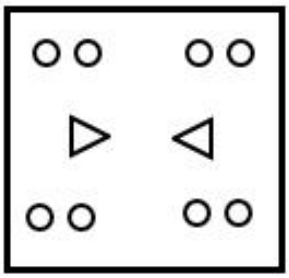
Answer: (b)

18.

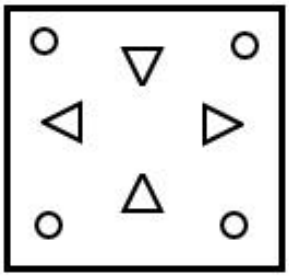
The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?



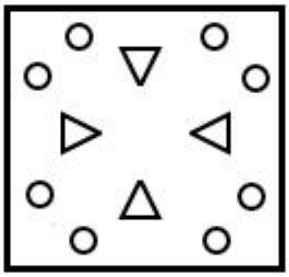
(a)



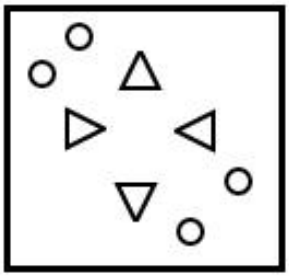
(b)



(c)



(d)



Answer: (c)

22.

In a certain code language, 'VERBAL' is written as 'QNMYXK' and 'REACH' is written as 'MNXZF'. How will 'BRAVE' be written as in that language?

(a)

YMXQN

(b)

KQNMX

(c)

KMQXN

(d)

YNXQM

Answer: (a)

General Awareness

1. The Act that transferred the power from the British East India Company to the British Crown in India was:

(a) Government of India Act, 1858

(b) Government of India Act, 1835

(c) Government of India Act, 1947

(d) Government of India Act, 1833

Answer: (a)

2. The Arid Forest Research Institute is located _____.

(a) Jaipur

(b) Jodhpur

(c) Dehradun

(d) Ahmedabad

Answer: (b)

3. The first electron shell which is the nearest to the nucleus never holds more than 'n' electrons, where 'n' is equal to:

(a) 8

(b) 4

(c) 2

(d) 6

Answer: (c)

4. Under which Article can the Parliament amend the Constitution?
   (a) Article 374
   (b) Article 368
   (c) Article 269
   (d) Article 74

   Answer: (b)

5. Which of the following is an east flowing river?
   (a) Brahmani
   (b) Sabarmati
   (c) Sharavati
   (d) Mahi

   Answer: (a)

6. Which of the following states does NOT share its boundary with Bhutan?
   (a) Sikkim
   (b) Arunachal Pradesh
   (c) Meghalaya
   (d) West Bengal

   Answer: (c)

7. In July 2019, which among the following operations s launched by the BSF to fortify the Pakistan border in Punjab and Jammu?
   (a) Chakravyuh
   (b) Vayuputra
   (c) Garuda
   (d) Sudarshan

   Answer: (d)

8. Which among the following is the food tube?
   (a) Oesophagus
   (b) Thymus
   (c) Larynx
   (d) Aorta

   Answer: (a)

9. Which of the following statements is correct with reference to the Karachi Session of the Congress (1931)?
   (a) Mahatma Gandhi presided over the session
   (b) The Gandhi-Irwin Pact was ratified
   (c) The Quit-India Resolution was passed
   (d) The Khilafat movement was launched at this event

   Answer: (b)

10. Which of the following monuments is NOT a part of the Qutub Complex?
    (a) Quwwat-ul-Islam Mosque
    (b) Qutub Minar
    (c) Alai Darwaza
    (d) Buland Darwaza

    Answer: (d)

11. In which year was NABARD established?
    (a) 1979
    (b) 1981
    (c) 1978
    (d) 1982

    Answer: (d)

12. The Battle of Chausa was fought between Humayun and _____.
    (a) Krishnadeva Raya
    (b) Sher Shah Suri
    (c) Nadir Shah
    (d) Hemu

    Answer: (b)

13. Which of the following is a heritage site of Madhya adesh?
    (a) Bhimbetka
    (b) Lepakshi
    (c) Sasaram
    (d) Hampi

    Answer: (a)

14. The SASTRA - Ramanujan Prize is awarded in the field of:
    (a) Dance
    (b) Chemistry
    (c) Mathematics
    (d) Literature

    Answer: (c)

15. Which ISO certification pertains to Environmental Management Systems?
    (a) 14001
    (b) 27001
    (c) 9001
    (d) 22000

    Answer: (a)

16. In the context of rivers and their tributaries, which of the following pairs is correct?
    (a) Godavari – Kabini
    (b) Indus – Subansiri
    (c) Krishna – Manjra
    (d) Alaknanda – Pindar

    Answer: (d)

17. Which female Indian cricketer won the BCCI C.K. Nayudu Lifetime Achievement Award for 2019?
    (a) Shantha Rangaswamy
    (b) Anjum Chopra
    (c) Jhulan Goswami
    (d) Diana Edulji

    Answer: (b)

18. Ozone at the higher level of the atmosphere is a product of _____ acting on oxygen molecules.
    (a) gamma rays
    (b) x-rays
    (c) IR radiation
    (d) UV radiation

    Answer: (d)

21. With which sport is Archana Kamath associated?
    (a) Lawn Tennis
    (b) Table Tennis
    (c) Squash
    (d) Badminton

    Answer: (b)

22. How many degrees does the Earth rotate about its own axis in one hour?
    (a) 10
    (b) 15
    (c) 20
    (d) 24

    Answer: (b)

23. Under which of the following Amendments to the Constitution of India is defection to another party after election made illegal?
    (a) 61st
    (b) 92nd
    (c) 86th
    (d) 52nd

    Answer: (d)

24. In January 2020, with which country did India sign a MoU for content exchange programme between All India Radio and Betar?

(a) Sri Lanka

(b) Nepal

(c) Bangladesh

(d) Bhutan

Answer: (c)

25. Which country hosted the 13th South Asian Games?

(a) India

(b) Bhutan

(c) Maldives

(d) Nepal

Answer: (d)

Quantitative Aptitude

1.

In a wallet, there are notes of the denominations ₹10 and ₹50. The total number of notes is 12. The number of ₹10 and ₹50 notes are in the ratio of 1 : 2. Total money in the wallet is:

(a)

₹440

(b)

₹280

(c)

₹360

(d)

₹110

Answer: (a)

2.

The following table shows the income (in ₹) for a particular month, together with their source, in respect of 5 employees (A, B, C, D and E).

	A	B	C	D	E
Salary	52,000	48,500	42,000	31,000	25,000
Overtime	0	0	1,500	2,500	3,200
Arrears	5,500	4,500	4,000	3,000	1,500
Bonus	3,500	3,000	2,500	2,000	2,000
Miscellaneous income	5,000	3,000	2,000	1,500	0
Total	66,000	59,000	52,000	40,000	31,700

How many employees got more than a total of ₹10,000 as income other than salary?

(a)

2

(b)

1

(c)

4

(d)

3

Answer: (a)

3.

24 students collected money for donation. The average contribution was [illegible] Later on, their teacher also contributed some money. Now the average contribution is ₹56. The teach[illegible] contri[illegible]n is:

(a)

₹106

(b)

₹56

(c)

₹200

(d)

₹194

Answer: (c)

4.

The lengths of the diagonals of a rhombus are 16 cm and 12 cm. Its area is:

(a)

$28\ cm^2$

(b)

$69\ cm^2$

(c)

$48\ cm^2$

(d)

$96\ cm^2$

Answer: (d)

5.

The value of $\frac{sin30°sin60°}{cos60°cos30°} - tan45°$ is:

(a)

0

(b)

$\frac{2-\sqrt{2}}{2}$

(c)

5

(d)

2

Answer: (a)

8.

Two cyclists X and Y start at the same time from place A and go towards place B at a speed of 6 km/h and 8 km/h, respectively. Despite stopping for 15 minutes during the journey, Y reaches 10 minutes earlier than X. The distance between the places A and B is:

(a)

6 km

(b)

16.5 km

(c)

10 km

(d)

8 km

Answer: (c)

10.

Solve the following

$113 \times 87 = ?$

(a)

10000

(b)

10026

(c)

9831

(d)

10169

Answer: (c)

11.

If $a + \frac{1}{a} = 5$ then $a^3 + \frac{1}{a^3}$ is:

(a)

140

(b)

10

(c)

80

(d)

110

Answer: (d)

14.

In a school, 4 % of the students did not appear for the annual exams. 10% of the students who appeared for the exams could not pass the exam. Out of the remaining students, 50% got distinction marks and 432 students passed the exam but could not get distinction marks. The total number of students in the school is:

(a)

878

(b)

1200

(c)

1000

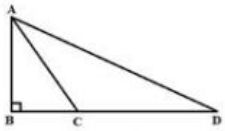
(d)

960

Answer: (b)

15.

In the given figure, if AB = 8 cm, AC = 10 cm, $\angle ABD = 90°$ and AD = 17 cm, then the measure of CD is:



(a)

10 cm

(b)

11 cm

(c)

9 cm

(d)

8 cm

Answer: (c)

16.

Amit borrowed a sum of ₹25,000 on simple interest. Bhola borrowed the same amount on compound interest (interest compounded yearly). At the end of 2 years, Bhola had to pay ₹160 more interest than Amit. The rate of interest charged per annum is:

(a)

$\frac{16}{25}\%$

(b)

8%

(c)

$\frac{8}{25}\%$

(d)

$3\frac{1}{8}\%$

Answer: (b)

17.

In a triangle, if the measures of two sides are 5 cm and 8 cm, then the third side can be:

(a)

2 cm

(b)

3 cm

(c)

4 cm

(d)

14 cm

Answer: (c)

18.

The coefficient of x in $(x-3y)^3$ is:

(a)

$-3y^2$

(b)

$27y^2$

(c)

$-27y^2$

(d)

$3y^2$

Answer: (b)

19.

If $(cos^2\theta - 1)(1 + tan^2\theta) + 2tan^2\theta = 1, 0° \leq \theta \leq 90°$ then θ is:

(a)

$60°$

(b)

$45°$

(c)

$90°$

(d)

$30°$

Answer: (b)

21.

A manufacturer sells cooking gas stoves to shopkeepers at 10% profit, and in turn they sell the cooking gas stoves to customer to earn 15% profit. If a customer gets a cooking gas stove for ₹7,590, then what is its manufacturing cost?

(a)

₹5,000

(b)

₹6,000

(c)

₹5,090

(d)

₹6,500

Answer: (b)

22.

A shopkeeper marked a computer table for ₹7,200. He allows a discount of 10% on it and yet makes profit of 8%. What will be his gain percentage if he does NOT allow any discount?

(a)

2%

(b)

9%

(c)

20%

(d)

18%

Answer: (c)

23.

Solve the following. $sin0°sin30°sin45°sin60°sin90° = ?$

(a)

1

(b)

0

(c)

$\frac{\sqrt{6}}{8}$

(d)

4

Answer: (b)

English Comprehension

1. In the sentence identify the segment which contains the grammatical error. We had a long discussion at a cup of coffee.

(a) a long discussion
(b) of coffee
(c) We had
(d) at a cup

Answer: (d)

2. Select the correct passive form of the given sentence. A child could understand his theory.

(a) His theory is being understood by a child.
(b) His theory can be understood by a child.
(c) His theory could be understood by a child.
(d) His theory was understood by a child.

Answer: (c)

3. Select the most appropriate antonym of the given word. FICKLE

(a) Flighty
(b) Stable
(c) Subtle
(d) Crafty

Answer: (b)

4. Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.
A. These lotteries organised by State Governments sell dreams.
B. Lured by this, millions of poor people waste their hard-earned money.
C. Crores of rupees and gold are offered as prizes.
D. People buy lotteries hoping to become rich overnight.

(a) CBAD
(b) CABD
(c) DBCA
(d) DACB

Answer: (d)

5. Select the most appropriate option to fill in the blank. The poor man was _____ entry to the restaurant.

(a) devoid
(b) derived
(c) deluded
(d) denied

Answer: (c)

6. Select the most appropriate meaning of the given idiom. Pull a fast one
   (a) Progress fast
   (b) Believe someone easily
   (c) Take quick action
   (d) Trick someone

   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.
>
> Agra's marble-marvel has such an overwhelming presence (1)_____ other monuments in the town have been relegated (2) _____ oblivion. Amongst such 60 odd monuments in (3) _____ town, the Red Taj is the most (4) _____ and relatively well-preserved. The tomb in red sandstone was (5) _____ by Ann Hessing, widow of a Dutch officer, after his death in 1803.

7. Select the correct option to fill in blank 1.
   (a) If
   (b) that
   (c) than
   (d) but

   Answer: (c)

8. Select the correct option to fill in blank 2.
   (a) by
   (b) with
   (c) to
   (d) on

   Answer: (c)

9. Select the correct option to fill in blank 3.
   (a) their
   (b) a
   (c) the
   (d) an

   Answer: (c)

10. Select the correct option to fill in blank 4.
   (a) elegant
   (b) adequate
   (c) active
   (d) efficient

   Answer: (a)

11. Select the correct option to fill in blank 5.
    (a) building
    (b) built
    (c) to build
    (d) build

    Answer: (b)

12. Select the most appropriate meaning of the given idiom. See eye to eye
    (a) See clearly
    (b) Stare at someone
    (c) Be suspicious
    (d) Agree with someone

    Answer: (d)

13. Select the most appropriate option to fill in the blank. Have you _____ for a job in this company?
    (a) supplied
    (b) appointed
    (c) applied
    (d) approved

    Answer: (c)

14. Select the INCORRECTLY spelt word.
    (a) Edible
    (b) Delegait
    (c) Rebel
    (d) Monarch

    Answer: (b)

15. Select the most appropriate antonym of the given word. HASTE
    (a) Lose
    (b) Rush
    (c) Delay
    (d) Dash

    Answer: (c)

16. Select the INCORRECTLY spelt word.
    (a) Opportunity
    (b) Omision
    (c) Obsolete
    (d) Obscure

    Answer: (b)

17. Select the most appropriate one word substitution for the given group of words. To increase the speed

(a) Accelerate

(b) Assimilate

(c) Activate

(d) Exhilarate

Answer: (a)

18. Select the most appropriate one word substitution for the given group of words. Pertaining to an individual from birth

(a) Chronic

(b) Congenital

(c) Habitual

(d) Anomaly

Answer: (b)

19. Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.
A. These are generated by a violent undersea disturbance or ocean activity.
B. Once generated, they travel outward on the ocean surface in all directions.
C. A tsunami is made up of a series of very long waves.
D. Spreading thus, they look like ripples caused by throwing a rock in a pond.

(a) BADC

(b) CBDA

(c) CABD

(d) BDCA

Answer: (c)

20. Select the correct indirect form of the given sentence. Mahesh said to Rita, "Don't play in the sun."

(a) Mahesh advised Rita not to play in the sun.

(b) Mahesh told to Rita to not play in the sun.

(c) Mahesh requested Rita that don't play in the sun.

(d) Mahesh ordered Rita that not play in the sun.

Answer: (a)

21. 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.

They <u>stopped to laugh</u> as soon as the teacher entered the classroom.

(a) No improvement

(b) stopped laugh

(c) stopped laughing

(d) stop laughing

Answer: (c)

22. Select the most appropriate synonym of the given word. DISHEARTENED

(a) disgraced

(b) depressed

(c) disliked

(d) disgusted

Answer: (b)

23. 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.

<u>If they will get married</u> , they will probably settle in Mumbai.

(a) If they had got married

(b) If they will be getting married

(c) If they get married

(d) No improvement

Answer: (c)

24. Select the most appropriate synonym of the given word. CORDIAL

(a) warm

(b) hard

(c) rude

(d) cold

Answer: (a)

25. In the sentence identify the segment which contains the grammatical error. The both children go to the same school.

(a) same school

(b) to the

(c) The both

(d) children go

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

2	**(b)**	5	**(a)**	7	**(c)**	8	**(c)**	14	**(b)**	16	**(c)**	17	**(b)**	18	**(c)**
22	**(a)**														

General Awareness

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

Quantitative Aptitude

1	**(a)**	2	**(a)**	3	**(c)**	4	**(d)**	5	**(a)**	8	**(c)**	10	**(c)**	11	**(d)**
14	**(b)**	15	**(c)**	16	**(b)**	17	**(c)**	18	**(b)**	19	**(b)**	21	**(b)**	22	**(c)**
23	**(b)**														

English Comprehension

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