PREVIOUS YEAR PAPER

SSC CGL 2019 Tier I — 4 March 2020, Shift 1

SSC CGL · 4 March 2020 · 10:00 AM - 11:00 AM

77 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: 23 (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).

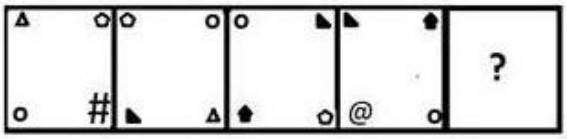
Questions from the Staff Selection Commission's paper of 4 March 2020, 10:00 AM - 11:00 AM. Each question is followed by its answer, and the answer key is repeated on the last page.

Take it as a timed practice test: exambharo.com/ssc-cgl/previous-year-papers/ssc-cgl-2019-tier-1-4-mar-shift-1/

General Intelligence and Reasoning

5.

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



(a)

(b)

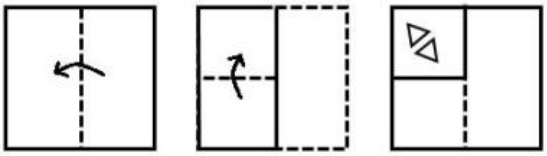
(c)

(d)

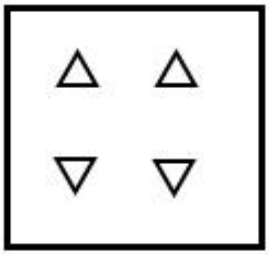
Answer: (d)

6.

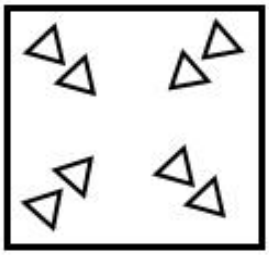
The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?



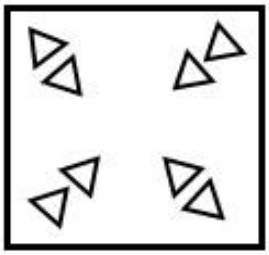
(a)



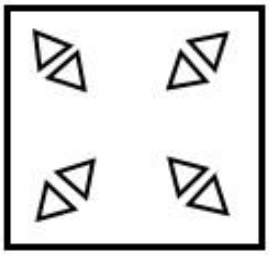
(b)



(c)



(d)



Answer: (d)

7.

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

(a)

TSR

(b)

YXW

(c)

NML

(d)

FGH

Answer: (d)

9.

In a certain code language, STRAIGHT is written as TSARGITH. How will THURSDAY be written as in that language?

(a)

UHTDRSYA

(b)

AYSDURTH

(c)

HTRUDSYA

(d)

HTRUDSAY

Answer: (c)

12.

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

(109, 114, 139)

(a)

(268, 302, 237)

(b)

(313, 318, 343)

(c)

(579, 534, 549)

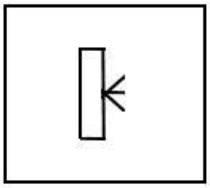
(d)

(419, 424, 439)

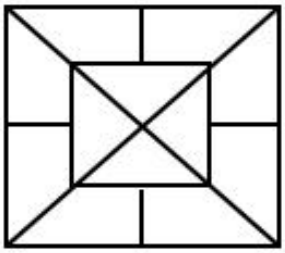
Answer: (b)

16.

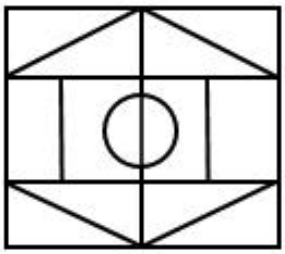
Select the option figure in which the given figure is embedded (rotation is NOT allowed).



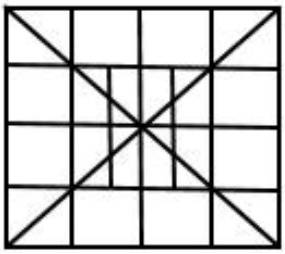
(a)



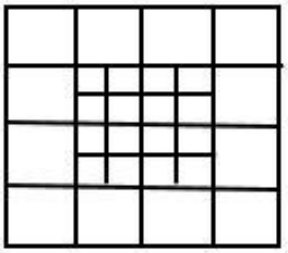
(b)



(c)



(d)



Answer: (c)

21.

A recent survey of married couples in Indian metro cities showed that 20% of the couples have only one child, 45% of the remaining couples have two children, and the rest of the couples have three or more children. What is the percentage of couples with three or more children?

(a)

56%

(b)

44%

(c)

35%

(d)

42%

Answer: (b)

22.

In a certain code language, LARVAE is coded as 15-1-9-5-1-2. How will INSECT be coded as in that language?

(a)

18-13-8-2-24-7

(b)

9-13-8-22-24-7

(c)

3-13-8-2-24-7

(d)

3-13-8-2-24-8

Answer: (c)

23.

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

7	11	14
53	127	?
4	6	3

(a)

196

(b)

200

(c)

169

(d)

199

Answer: (d)

24.

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

17, 20, 15, 22, 13, ?

(a)
4

(b)
2

(c)
22

(d)
24

Answer: (d)

25.

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

DAC, GWH, JSM, MOR, ?

(a)
PKW

(b)
PJV

(c)
QKV

(d)
QJW

Answer: (a)

General Awareness

1. Asia's largest wholesale spice market is located in _____.

(a) Bengaluru

(b) Delhi

(c) Ahmedabad

(d) Kolkata

Answer: (b)

2. King Harshavardhana ascended the throne of Thaneshwar and Kannauj on the death of his brother, _____.

(a) Suryavardhana
(b) Indravardhana
(c) Chandravardhana
(d) Rajyavardhana

Answer: (d)

3. _____ was the capital of Magadha before the 4th century BCE.

(a) Mathura
(b) Rajagaha
(c) Varanasi
(d) Pataliputra

Answer: (b)

4. Planetary scientists call the thin gaseous envelope around the Moon as the _____.

(a) lunar stratosphere
(b) lunar thermosphere
(c) lunar endosphere
(d) lunar exosphere

Answer: (d)

5. Who was the President of the World Bank Group a f January, 2020?

(a) Robert Zoellick
(b) Jim Yong Kim
(c) David Malpass
(d) Paul Wolfowitz

Answer: (c)

6. The Vedic Civilisation in India flourished along the river_____.

(a) Tapi
(b) Saraswati
(c) Narmada
(d) Godavari

Answer: (b)

7. According to the United Nations' World Economic Situation and Prospects Report, 2019, the Indian economy is expected to expand by _____ in 2020.

(a) 7.8%
(b) 7.6%
(c) 7.1%
(d) 7.2%

Answer: (c)

8. The _____ lake in Gujarat was an artificial reservoir built during the rule of the Mauryas.
   (a) Sudarshana
   (b) Pushkar
   (c) Lonar
   (d) Loktak
   Answer: (a)

9. In biological terms, _____ is a relationship between two organisms in which one organism benefits and the other is unaffected.
   (a) Mutualism
   (b) Commensalism
   (c) Amensalism
   (d) Parasitism
   Answer: (b)

10. Lt. General _____ took charge as the Chief of Army Staff on 31 December 2019.
   (a) Ravendra Pal Singh
   (b) Bipin Rawat
   (c) Manoj Mukund Naravane
   (d) Anil Chauhan
   Answer: (c)

11. Who among the following is an Indian Olympic archer and Padma Shri winner?
   (a) Limba Ram
   (b) Bajrang Punia
   (c) Balbir Singh Dosanjh
   (d) Kidambi Srikanth
   Answer: (a)

12. The 14th Dalai Lama resides in _____.
   (a) Gangtok
   (b) Kalimpong
   (c) Dharamsala
   (d) Shillong
   Answer: (c)

13. Which of the following is NOT a folk dance belonging to the union territory of Jammu and Kashmir?
   (a) Hafiza
   (b) Dhumal
   (c) Dangi
   (d) Rouf
   Answer: (c)

14. Article 17 of the Constitution of India deals with the abolition of _____.
    (a) sati
    (b) slavery
    (c) untouchability
    (d) titles

    Answer: (c)

15. Which Article of the Indian Constitution prohibits discrimination on the grounds of religion, race, caste, sex and place of birth?
    (a) Article 19
    (b) Article 25
    (c) Article 15
    (d) Article 23

    Answer: (c)

16. The major component of modern Olympic gold medals is _____.
    (a) Bronze
    (b) Copper
    (c) Silver
    (d) Gold

    Answer: (c)

17. The Harshacharita is a biography of Harshavardhana, the ruler of Kannauj, composed in Sanskrit by his court poet, _____.
    (a) Dandin
    (b) Banabhatta
    (c) Kamban
    (d) Jinsena

    Answer: (b)

18. _____ expansion makes the Eiffel Tower taller during summers.
    (a) Gradient
    (b) Thermal
    (c) Chemical
    (d) Gravitational

    Answer: (b)

19. In April 2019, scientists in _____ produced the world's first 3D printed heart using human tissue.
    (a) Ethiopia
    (b) Israel
    (c) Kenya
    (d) Croatia

    Answer: (b)

20. The Biraja Temple, the Rajarani Temple and the Samaleswari Temple are all located in _____.
    (a) Assam
    (b) Odisha
    (c) Kerala
    (d) Tamil Nadu
    Answer: (b)

21. In May 2019, the International Monetary Fund agreed to bail out _____ with a fund of $6 billion.
    (a) Bangladesh
    (b) Nepal
    (c) India
    (d) Pakistan
    Answer: (d)

22. In the 4th century BCE, the capital of Magadha was shifted to _____.
    (a) Varanasi
    (b) Mathura
    (c) Panipat
    (d) Pataliputra
    Answer: (d)

23. The Gol Gumbad (Gumbaz) of _____ is the mau eum of Muhammad Adil Shah.
    (a) Agra
    (b) Allahabad
    (c) Delhi
    (d) Bijapur
    Answer: (d)

24. Xerophthalmia is caused due to the deficiency of vitamin _____.
    (a) D
    (b) A
    (c) K
    (d) C
    Answer: (b)

25. Private ownership of the means of production is a feature of a _____ economy.
    (a) mixed
    (b) socialist
    (c) dual
    (d) capitalist
    Answer: (d)

Quantitative Aptitude

1.

The given table represents the number of computers sold by four dealers A, B, C and D during the first six months of 2016. Study the table carefully and answer the question that follows.

Dealer → / Month ↓	A	B	C	D
January	102	92	95	107
February	94	96	104	106
March	85	94	100	90
April	108	97	99	96
May	98	102	100	89
June	95	108	102	91

The number of months, in which the number of computers sold by dealer B was less than the average number of computers sold by dealer C over six months, was:

(a)

5

(b)

4

(c)

2

(d)

3

Answer: (b)

2.

The average of twelve numbers is 45.5. The average of the first four numbers is 41.5 and that of the next five numbers is 48. The 10th number is 4 more than the 11th number and 9 more than the 12th number. What is the average of the 10th and 12th numbers?

(a)

46.5

(b)

47.8

(c)

46

(d)

47

Answer: (a)

3.

In ΔABC, $\angle A = 90^\circ$, M is the midpoint of BC and D is a point on BC such that AD $\perp$ BC. If AB = 7 cm and AC = 24 cm, then AD : AM is equal to:

(a)

168 : 275

(b)

24 : 25

(c)

32 : 43

(d)

336 : 625

Answer: (d)

4.

The circumference of the base of a conical tent is 66 m. If the height of the tent is 36 m, what is the area (in m^2) of the canvas used in making the tent? (Take $\pi = \frac{22}{7}$)

(a)

1155

(b)

1237.5

(c)

1171.5

(d)

1254

Answer: (b)

6.

A trader allows a discount of 18% on the marked price of an article. How much percentage above the cost price must he mark it so as to get a profit of 6.6%?

(a)

30

(b)

28

(c)

25

(d)

24

Answer: (a)

7.

When 732 is divided by a positive integer x, the remainder is 12. How many values of x are there?

(a)

19

(b)

20

(c)

18

(d)

16

Answer: (b)

8.

In ΔABC, $\angle B = 68°$ and $\angle C = 32°$. Sides AB and AC are produced to points D and E, respectively. The bisectors of $\angle DBC$ and $\angle BCE$ meet at F. What is the measure of $\angle BFC$?

(a)

55°

(b)

39°

(c)

50°

(d)

65°

Answer: (c)

11.

The value of $\frac{7-[4+3(2-2\times2+5)-8]\div5}{2\div2\ of\ (4+4\div4\ of\ 4)}$ is:

(a)

26

(b)

$25\frac{1}{2}$

(c)

$8\frac{1}{2}$

(d)

24

Answer: (b)

12.

ABCD is a cyclic quadrilateral in which AB = 16.5 cm, BC = x cm, CD = 11 cm, AD = 19.8 cm, and BD is bisected by AC at O. What is the value of x ?

(a)

12.4 cm

(b)

13.8 cm

(c)

13.2 cm

(d)

12.8 cm

Answer: (c)

15.

In $\Delta ABC,\ AB = AC$. A circle drawn through B touches AC at D and intersect AB at P. If D is the mid point of AC and AP = 2.5 cm, then AB is equal to:

(a)

9 cm

(b)

7.5 cm

(c)

12.5 cm

(d)

10 cm

Answer: (d)

16.

The given table represents the number of computers sold by four dealers A, B, C and D during the first six months of 2016. Study the table carefully and answer the question that follows.

Dealer → / Month ↓	A	B	C	D
January	102	92	95	107
February	94	96	104	106
March	85	94	100	90
April	108	97	99	96
May	98	102	100	89
June	95	108	102	91

What is the ratio of the total number of computers sold by dealer A in February, April and May to the total number of computers sold by dealer D in March, May and June?

(a)

$15 : 13$

(b)

$10 : 9$

(c)

$20 : 27$

(d)

$6 : 5$

Answer: (b)

18.

The value of $\frac{tan30°cosec60°+tan60°\text{[illegible]}c30°}{sin^2 30°+4cot^2 45°-sec\text{[illegible]}}$ is:

(a)

$\frac{2}{3}$

(b)

$\frac{32}{3}$

(c)

$\frac{8}{3}$

(d)

$\frac{32}{99}$

Answer: (b)

19.

On simplification, $\frac{x^3-y^3}{x[(x+y)^2-3xy]} \div \frac{y[(x-y)^2+3xy]}{x^3+y^3} \times \frac{(x+y)^2-(x-y)^2}{x^2-y^2}$ is equal to:

(a)

4

(b)

1

(c)

$\frac{1}{2}$

(d)

$\frac{1}{4}$

Answer: (a)

20.

The given table represents the number of computers sold by four dealers A, B, C and D during the first six months of 2016. Study the table carefully and answer the question that follows.

Dealer → / Month ↓	A	B	C	D
January	102	92	95	107
February	94	96	104	106
March	85	94	100	90
April	108	97	99	96
May	98	102	100	89
June	95	108	102	91

The total number of computers sold by dealer B in April, May and June is what percentage of the total number of computers sold by all the dealers in February and April?

(a)

$50\frac{7}{8}$

(b)

$43\frac{6}{7}$

(c)

$48\frac{5}{7}$

(d)

$38\frac{3}{8}$

Answer: (d)

23.

A boat can go 3 km upstream and 5 km downstream in 55 minutes. It can also go 4 km upstream and 9 km downstream in 1 hour 25 minutes. In how much time (in hours) will it go 43.2 km downstream?

(a)

4.8

(b)

5.4

(c)

3.6

(d)

4.4

Answer: (c)

25.

What is the compound interest on a sum of ₹12,000 for $2\frac{5}{8}$ years at 8% p.a., when the interest is compounded annually? (nearest to a rupee)

(a)

₹2,697

(b)

₹2,654

(c)

₹2,712

(d)

₹2,642

Answer: (a)

English Comprehension

1. Select the most appropriate word to substitute the underlined word of the given sentence. If substitution is not required select 'No improvement'.

To fight on the battlefield for the sake of one's country needs <u>a great strongness.</u>

(a) the greatest strongness

(b) great courage

(c) No improvement

(d) a lots of strength

Answer: (b)

2. Select the wrongly spelt word.
   (a) Truthful
   (b) Turmoil
   (c) Tresure
   (d) Tamarind

   Answer: (c)

3. Select the wrongly spelt word.
   (a) Consumation
   (b) Compromise
   (c) Competence
   (d) Chronology

   Answer: (a)

4. Select the correct active form of the given sentence. This beautiful story was written by Maya.
   (a) Maya wrote this beautiful story.
   (b) Maya is writing this beautiful story.
   (c) Maya was writing this beautiful story.
   (d) Maya writes this beautiful story.

   Answer: (a)

5. Select the antonym of the given word. LIBERTY
   (a) Dependence
   (b) Convenience
   (c) Deliverance
   (d) Independence

   Answer: (a)

6. Select the most appropriate meaning of the given idiom. Back to square one
   (a) Move ahead
   (b) Neglect something
   (c) Draw a square
   (d) Come to the original point

   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. 'A stitch in time saves nine'. This wise saying suggests that an (1)_____ action taken on time to rectify an error rules (2)_____ the possibility of accumulation of such errors and future (3)_____ . Wisdom, therefore lies in correcting the error as soon as it is (4)_____. There is no point-in allowing the (5)_____ to grow and then take hasty actions to set things right.

7. Select the most appropriate option for blank no. 1
   (a) appropriate
   (b) opposite
   (c) superficial
   (d) wrong
   Answer: (a)

8. Select the most appropriate option for blank no. 2
   (a) at
   (b) out
   (c) in
   (d) for
   Answer: (b)

9. Select the most appropriate option for blank no. 3
   (a) facilities
   (b) qualities
   (c) advantages
   (d) damages
   Answer: (d)

10. Select the most appropriate option for blank no. 4
   (a) managed
   (b) proposed
   (c) discovered
   (d) invented
   Answer: (c)

11. Select the most appropriate option for blank no. 5
   (a) melody
   (b) remedy
   (c) malady
   (d) parody
   Answer: (c)

12. Select the synonym of the given word. REVERE
   (a) Repeat
   (b) Enjoy
   (c) Condemn
   (d) Respect
   Answer: (d)

13. In the sentence identify the segment which contains the grammatical error. Saraswati college has maintained its reputation as one of the best college in the country.

(a) its reputation as

(b) one of the best college

(c) Saraswati college has maintained

(d) in the country

Answer: (b)

14. Select the synonym of the given word. PREVENT

(a) Allow

(b) Avert

(c) Provoke

(d) Construct

Answer: (b)

15. Select the most appropriate segment to substitute the underlined segment of the given sentence. If substitution is not required select 'no improvement'.

The animal <u>resembled with</u> a cat.

(a) resembled to

(b) resembled

(c) No improvement

(d) resembled by

Answer: (b)

16. Select the correct direct form of the given [illegible]ce. The teacher commanded the students not to shout.

(a) The teacher said to the students, "Don't shout."

(b) The teacher said to the student, "You should not shout."

(c) The teacher told to the students, "You must not shout."

(d) The teacher says to the students, "Do not shout."

Answer: (a)

17. Select the most appropriate word to fill in the blank. The groom stood before the _____ for the wedding ceremony at the church.

(a) altar

(b) alter

(c) atlas

(d) attic

Answer: (a)

18. Select the most appropriate word to fill in the blank. She _____ on paying the bill at the restaurant.

(a) requested

(b) offered

(c) suggested

(d) insisted

Answer: (d)

19. Select the most appropriate meaning of the given idiom. Dead heat

(a) A deadly blast of hot air

(b) A strong heat wave

(c) Close contest that ends in a tie

(d) Strong opposition to one's ideas

Answer: (c)

20. Select the antonym of the given word. BROAD

(a) Narrow

(b) Large

(c) Wide

(d) Long

Answer: (a)

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

A. Eventually, she overcame adversities and achieved success.

B. She engaged herself in 'earn while you learn' scheme in her college.

C. She needed financial support to complete her graduation.

D. Rama was a very poor girl.

(a) CBDA

(b) DCBA

(c) ABCD

(d) ADCB

Answer: (b)

22. Select one word for the following group of words. Open refusal to obey orders

(a) Obedience

(b) Adherence

(c) Defiance

(d) Compliance

Answer: (c)

23. In the sentence identify the segment which contains the grammatical error. The boy which stole the money was caught by the police.

(a) The boy which

(b) was caught

(c) stole the money

(d) by the police

Answer: (a)

24. Select one word for the following group of words. Morals that govern one's behavior

(a) Psychology

(b) Intuition

(c) Ethics

(d) Attitude

Answer: (c)

25. Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.
A. “We are going to the market,” declared Reetu and Geetu.
B. “Where are you going?” the father asked.
C. “Take your umbrella, it is going to rain,” the mother said.
D. “Yes, definitely. We will,” replied the two.

(a) BACD

(b) DCAB

(c) ABDC

(d) BCDA

Answer: (a)

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

5	**(d)**	6	**(d)**	7	**(d)**	9	**(c)**	12	**(b)**	16	**(c)**	21	**(b)**	22	**(c)**
23	**(d)**	24	**(d)**	25	**(a)**										

General Awareness

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

Quantitative Aptitude

1	**(b)**	2	**(a)**	3	**(d)**	4	**(b)**	6	**(a)**	7	**(b)**	8	**(c)**	11	**(b)**
12	**(c)**	15	**(d)**	16	**(b)**	18	**(b)**	19	**(a)**	20	**(d)**	23	**(c)**	25	**(a)**

English Comprehension

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