PREVIOUS YEAR PAPER

SSC CGL 2019 Tier I — 7 March 2020, Shift 2

SSC CGL · 7 March 2020 · 1:00 PM - 2:00 PM

80 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: 20 (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 7 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-1-7-mar-shift-2/

General Intelligence and Reasoning

4.

In a certain code language, 'PAINTS' is written as 'CRPKUV'. How will 'PURITY' be written as in that language?

(a) WRKTAV

(b) WRKSNU

(c) XSISBM

(d) VSKTAZ

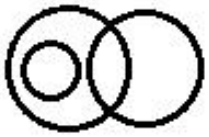
Answer: (a)

7.

Which of the following Venn diagrams best represents the relationship between the following classes?

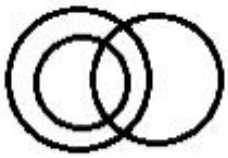
Accountants, Girls, Internet users

(a)

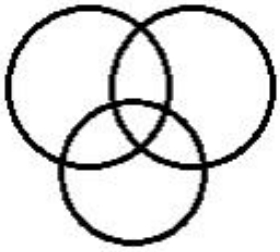


(b)

(c)



(d)



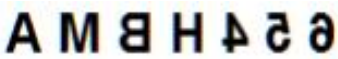
Answer: (d)

9.

Select the correct mirror image of the given alphanumeric-cluster when a vertical mirror is placed on the right side of the cluster.

6 5 4 H B M A

(a)



(b)

(c)

(d)

Answer: (a)

11.

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

PERSONA, ANPERSO, ANOSPER, ?

(a)
ANOSREP

(b)
ANOSERP

(c)
ANSORPE

(d)
NOSAREP

Answer: (a)

12.

Select the letter will replace the question mark (?) in the following series.

C, B, B, C, Z, E, W, H, S, ? , N

(a)
K

(b)
I

(c)
L

(d)
P

Answer: (c)

13.

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

(a)

(b)

(c)

(d)

Answer: (d)

15.

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

35, 36, 40, ? , 83, 208, 244

(a)

55

(b)

60

(c)

67

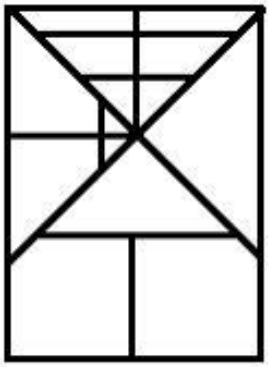
(d)

73

Answer: (c)

17.

How many triangles are there in the given figure?



(a)
20

(b)
17

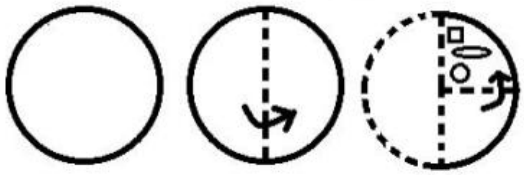
(c)
19

(d)
21

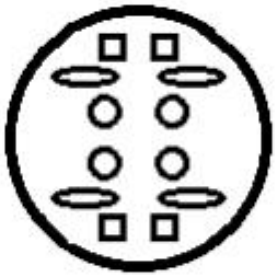
Answer: (c)

18.

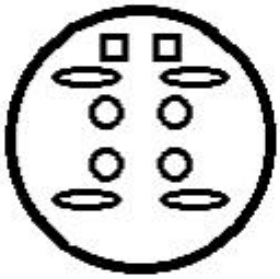
The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?



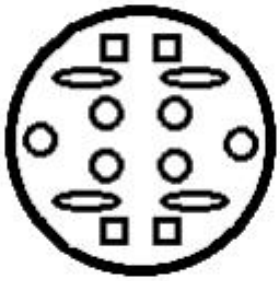
(a)



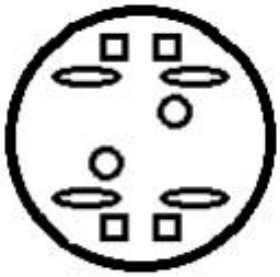
(b)



(c)



(d)



Answer: (a)

20.

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 toys are pens.

2. All games are pens.

Conclusions:

I. No toy is a game.

II. No pen is a game.

III. Some toys are games.

(a)

All conclusions I, II and III follow.

(b)

Only conclusions II and III follow.

(c)

Only conclusions I and II follow.

(d)

Either conclusion I or III follows.

Answer: (d)

21.

Select the option in which the numbers are related in the [illegible] y as are the numbers in the given set.

(45, 24, 441)

(a)

(41, 18, 630)

(b)

(30, 60, 1024)

(c)

(50, 30, 480)

(d)

(35, 17, 324)

Answer: (d)

22.

If 'A' stands for 'subtraction', 'B' stands for 'multiplication', 'C' stands for 'addition', and 'D' stands for 'division', then what is the value of the following expression?

27 A 8 B 5 C (11 C 3) B 5 C 36 D 6

(a)
60

(b)
20

(c)
24

(d)
63

Answer: (d)

23.

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

(a)
EHKN

(b)
TWZC

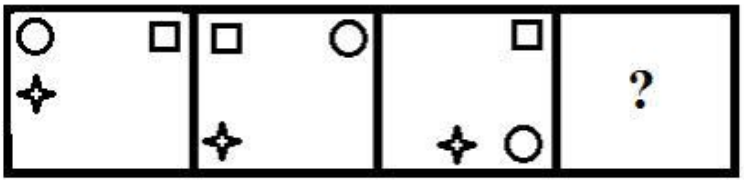
(c)
PSVY

(d)
NOSV

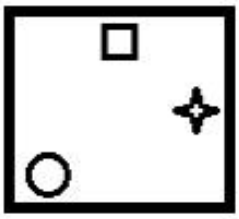
Answer: (d)

24.

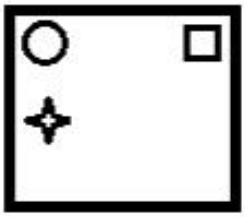
Select the figure that can replace the question mark (?) in the following series.



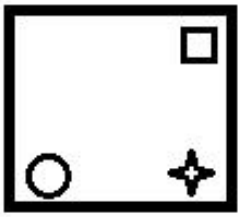
(a)



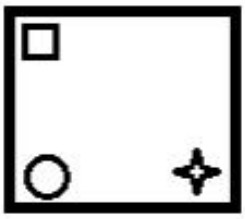
(b)



(c)



(d)



Answer: (d)

General Awareness

1. Which of the following is caused by a virus named 'Varicella zoster'?
   (a) Chickenpox
   (b) Cholera
   (c) Rabies
   (d) Polio

   Answer: (a)

2. Which of the following can be diagnosed with the Widal test?
   (a) Typhoid fever
   (b) Tuberculosis
   (c) AIDS
   (d) Cancer
   Answer: (a)

3. Which one of the following statements is INCORRECT?
   (a) The measurable unit of pressure is denoted in Metre.
   (b) Matter is made up of small particles.
   (c) Brass is a mixture of 30% zinc and 70% copper.
   (d) Evaporation causes cooling.
   Answer: (a)

4. Which organisation launched the Agricultural Marketing and Farmer Friendly Reforms Index (AMFFRI) in 2016?
   (a) National Institute of Public Finance and Policy (NIPFP)
   (b) Reserve Bank of India
   (c) Indian Institute of Public Administration
   (d) NITI Aayog
   Answer: (d)

5. A situation where the expenditure of the governm exceeds its revenue is known as _____.
   (a) Devaluation
   (b) Deficit Financing
   (c) Morbidity
   (d) Default
   Answer: (b)

6. Which of the following is used for removing permanent hardness of water?
   (a) Baking soda
   (b) Washing soda
   (c) Lime
   (d) Bleaching powder
   Answer: (b)

7. Where were the Khelo India Youth Games, 2020 held?
   (a) New Delhi
   (b) Chandigarh
   (c) Bhopal
   (d) Guwahati
   Answer: (d)

8. In which year did the Third Round Table Conference take place?
   (a) 1929
   (b) 1932
   (c) 1928
   (d) 1930
   Answer: (b)

9. Who among the following was NOT a recipient of the Arjuna Awards in 2019?
   (a) Poonam Yadav
   (b) Mezban Patel
   (c) Ravindra Jadeja
   (d) Swapana Burman
   Answer: (b)

10. What is Gotabaya Rajapaksa's nationality?
   (a) Bangladeshi
   (b) Burmese
   (c) Indonesian
   (d) Sri Lankan
   Answer: (d)

11. On which lake is the world's only floating post office situated?
   (a) Loktak Lake
   (b) Dal Lake
   (c) Wular Lake
   (d) Chilika Lake
   Answer: (b)

13. In which year did the battle of Khanua (Khanwa) take place between Babur and the Rajput forces led by Rana Sanga?
   (a) 1529
   (b) 1526
   (c) 1522
   (d) 1527
   Answer: (d)

14. Who wrote the play 'Mricchakatika' (The Little Clay Cart), a social drama with touches of grim reality?
   (a) Sudraka
   (b) Raidasa
   (c) Kalidasa
   (d) Magh
   Answer: (a)

15. Who won the 'ICC (International Cricket Council) Spirit of Cricket, 2019' award?
    (a) Rohit Sharma
    (b) Ben Stokes
    (c) Pat Cummins
    (d) Virat Kohli
    Answer: (d)

16. Who discovered cells in the human body?
    (a) Herbert Spencer
    (b) Robert Hooke
    (c) Albert Einstein
    (d) Charles Darwin
    Answer: (b)

17. Who among the following was NOT associated with the revolt of 1857?
    (a) Bhagat Singh
    (b) Kunwar Singh
    (c) Begum Hazrat Mahal
    (d) Mangal Pandey
    Answer: (a)

18. Which of the following martial art forms is practice n the state of Punjab and West Bengal?
    (a) Mardaani khel
    (b) Kalaripayattu
    (c) Lathi
    (d) Thang-ta
    Answer: (c)

19. What is the name of the anti-hijacking exercise conducted by the Indian Navy in collaboration with the Indian Coast Guard?
    (a) Indra
    (b) Nagah
    (c) Ekuverin
    (d) Apharan
    Answer: (d)

20. The tidal mouth of a river where fresh and saline water get mixed is known as a/an ____.
    (a) Estuary
    (b) Gorge
    (c) Archipelago
    (d) Fold
    Answer: (a)

21. Which of the following schedules of the Constitution of India has been INCORRECTLY matched with its content?

(a) Fourth Schedule – Allocation of seats in the council of states

(b) Third Schedule – Forms of oath or affirmations

(c) First Schedule – The states and the union territories

(d) Second Schedule – Languages

Answer: (d)

22. In which part of India are the Patkai Bum hills located?

(a) Southern part of India

(b) Northern part of India

(c) Eastern part of India

(d) Western part of India

Answer: (c)

23. Which of the following is one of the Articles of the Constitution of India that mentions the Comptroller and Auditor General of India?

(a) 156

(b) 148

(c) 352

(d) 280

Answer: (b)

24. Who among the following was known as 'Andhr esari'?

(a) T. Prakasam

(b) Mahatma Gandhi

(c) Khan Abdul Ghaffar Khan

(d) Chittaranjan Das

Answer: (a)

25. Where was the 107th edition of the Indian Science Congress held?

(a) Bengaluru

(b) Dehradun

(c) Chennai

(d) Lucknow

Answer: (a)

Quantitative Aptitude

1.

If radius of a circle is decreased by 11%, then the total decrease in the area of the circle is given as:

(a)

20.79%

(b)

19.50%

(c)

20.50%

(d)

21%

Answer: (a)

4.

A contract is to be completed in 75 days and 187 men are to work 15 hours per day. After 65 days, $\frac{3}{5}$ of the work is completed. How many additional men may be employed, so that the work may be completed in time, each man now working 17 hours per day?

(a)

514

(b)

532

(c)

528

(d)

495

Answer: (c)

5.

If $a^2 + b^2 + c^2 = 300$ and $ab + bc + ca = 50$, then what is the value of $a + b + c$? (Given that a, b and c are all positive.)

(a)

25

(b)

22

(c)

20

(d)

15

Answer: (c)

6.

The perimeter of an isosceles triangle is 50 cm. If the base is 18 cm, then find the length of the equal sides.

(a)

25 cm

(b)

32 cm

(c)

18 cm

(d)

16 cm

Answer: (d)

7.

If 18 men can cut a field in 35 days, then in how many days can 21 men cut the same field?

(a)

32

(b)

30

(c)

27

(d)

28

Answer: (b)

8.

A sum lent out at compound interest amounts to ₹1,250 in one year and to ₹1,458 in 3 years at a certain rate percentage p.a. What is the simple interest on the same sum for $5\frac{2}{5}$ years at the same rate of interest?

(a)

₹520

(b)

₹600

(c)

₹500

(d)

₹480

Answer: (c)

11.

The following table shows the age-wise brand ownership of mobile phone handsets.

Brands	1 year old	1 to 2 years old	2 to 5 years old	More than 5 years old
A	15%	45%	40%	
B	5%	15%	25%	55%
C	10%	10%	10%	70%
D	25%	55%	20%	
E	15%	50%	20%	15%

If a total of 5000 'C' mobile phone sets are sold till date, then how many are more than one year old?

(a)

4000

(b)

4200

(c)

4500

(d)

4350

Answer: (c)

12.

In quadrilateral PQRS, $RM \perp QS, PN \perp QS$ and $QS = 6\ cm$. It [illegible] and $PN = 2cm$, then the area of PQRS is

(a)

$15\ cm^2$

(b)

$13\ cm^2$

(c)

$14\ cm^2$

(d)

$11\ cm^2$

Answer: (a)

14.

If $\frac{\sin A+\cos A}{\cos A} = \frac{17}{12}$, then the value of $\frac{1-\cos A}{\sin A}$ is:

(a)

$\frac{1}{5}$

(b)

$\frac{5}{12}$

(c)

-5

(d)

1

Answer: (a)

15.

The following table shows the annual profit of a company (in ₹ lakh).

2014-2015	2015-2016	2016-2017	2017-2018	2018-2019
625	690	725	775	815

The period which has the maximum percentage increase in profit over the previous year is:

(a)

2015-2016

(b)

2018-2019

(c)

2016-2017

(d)

2017-2018

Answer: (a)

17.

In ΔABC, D, E and F are the midpoints of sides AB, BC and CA, respectively. If AB = 12 cm, BC = 20 cm and CA = 15 cm, then the value of $\frac{1}{2}(DE + EF + DF)$ is:

(a)

23.5 cm

(b)

11.75 cm

(c)

5.88 cm

(d)

15.67 cm

Answer: (b)

19.

Anu spends 68% of her monthly income. If her monthly income increases by 20% and her monthly savings increase by $9\frac{3}{8}$%, then the percentage increase in her monthly expenditure is:

(a)

20%

(b)

32%

(c)

25%

(d)

22%

Answer: (c)

20.

If the perimeter of a certain rectangle is 50 units and its area is 150 sq. units, then how many units is the length of its shorter side?

(a)

15

(b)

12

(c)

10

(d)

9

Answer: (c)

22.

The following table shows the percentage of marks obtained by seven students in six different subjects in an examination.

Student	Maths	Chemistry	Physics	Geography	History	Computer Science
	Maximum marks = 150	Maximum marks = 130	Maximum marks = 120	Maximum marks = 100	Maximum marks = 110	Maximum marks = 90
Ankit	100	80	80	40	70	70
Aman	90	50	90	60	90	80
Ayush	80	65	70	70	80	70
Rohit	90	60	80	95	60	60
Tanvi	80	65	65	80	40	60
Tarun	70	75	85	77	50	90
Muskan	65	35	50	85	80	80

What are the average marks obtained by all the seven students in Physics? (rounded off to two digits after the decimal)

(a)

89.14

(b)

80.15

(c)

75.90

(d)

85.12

Answer: (a)

23.

If in 13 years a fixed sum doubles at simple interest, what will be the interest rate per year? (Correct to two decimal places)

(a)

7.69%

(b)

7.92%

(c)

8.69%

(d)

7.29%

Answer: (a)

24.

AB is a diameter of a circle with centre O. The tangent at a point C on the circle meets AB produced at Q.

If $\angle CAB = 42°$, then what is the measure $of\ \angle CQA$?

(a)

$17°$

(b)

$6°$

(c)

$5°$

(d)

$7°$

Answer: (b)

25.

If $x + y + z = 10$ and $xy + yz + zx = 15$, then find the value of $x^3 + y^3 + z^3 - 3xyz$.

(a)

525

(b)

575

(c)

550

(d)

660

Answer: (c)

English Comprehension

1. Select the most appropriate ANTONYM of the given word. Assist

(a) Decline

(b) Conceal

(c) Support

(d) Obstruct

Answer: (d)

2. 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 old lady nearly <u>dead from fright.</u>

(a) No improvement

(b) died of fright

(c) died with frightening

(d) dead out of fright

Answer: (b)

3. Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.
A. I took a deep breath and inhaled the air.
B. It was a fine spring morning.
C. As soon as I entered the garden, lush green grass welcomed me.
D. The freshness in the air drew my feet towards a garden.

(a) BADC

(b) ACBD

(c) CADB

(d) CDAB

Answer: (a)

4. Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.
A. It hurts the heart most of all by inflating blood pressure.
B. You can blow up and let it out or bottle it and store it.
C. The question then arises– What to do about
D. Researchers have long agreed that anger hurts your health.

(a) DBCA

(b) CADB

(c) BCAD

(d) DACB

Answer: (d)

5. Select the most appropriate meaning of the given idiom. Come to the point

(a) To unravel a mystery

(b) To meet at a designated place

(c) To get reconciled to something

(d) To speak plainly about the real issue

Answer: (d)

6. Select the correct indirect form of the given sentence. The guard said to the visitors, "Do not take photographs inside the museum."

(a) The guard warned the visitors not to be taking photographs inside the museum.

(b) The guard forbade the visitors to take photographs inside the museum.

(c) The guard told the visitors that do not take photographs inside the museum.

(d) The guard requested the visitors to not took photographs inside the museum.

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.
>
> There are certain spheres of one's life in which one should go by one's own (1)_____ rather than follow another's counsel. The choice (2)_____ one's subject of study is one such sphere. (3)_____ one is genuinely interested in a subject, one (4)_____ never opt for it. India is already full of (5)_____ pegs in round holes, who are unfit for their roles and are doing more harm than good.

7. Select the most appropriate option to fill in blank number (1).

(a) choice

(b) possibility

(c) option

(d) alternative

Answer: (a)

8. Select the most appropriate option to fill in blank number (2).

(a) of

(b) among

(c) at

(d) between

Answer: (a)

9. Select the most appropriate option to fill in blank number (3).

(a) Unless

(b) Even if

(c) Since

(d) Although

Answer: (a)

10. Select the most appropriate option to fill in blank number (4).

(a) would

(b) could

(c) should

(d) ought

Answer: (c)

11. Select the most appropriate option to fill in blank number (5).

(a) square

(b) large

(c) small

(d) circular

Answer: (a)

12. Select the word which means the same as the group of words given. A place where plants are grown for sale

(a) Garden

(b) Yard

(c) Aviary

(d) Nursery

Answer: (d)

13. Select the correct passive form of the given sentence. He incurred heavy losses in business.

(a) Heavy losses are incurred in business by him.

(b) Heavy losses were incurred in business by him.

(c) Heavy losses are being incurred in business by him.

(d) Heavy losses was incurred in business by him.

Answer: (b)

14. Select the word which means the same as the group of words given. Putting to death painlessly to end suffering

(a) Euthanasia

(b) Genocide

(c) Blaspheme

(d) Altruism

Answer: (a)

15. Select the most appropriate synonym of the given word. Affluent

(a) Impoverished

(b) Hostile

(c) Authentic

(d) Prosperous

Answer: (d)

16. In the sentence identify the segment which contains the grammatical error. The present what I buy for you yesterday was very expensive.

(a) what I buy

(b) for you yesterday

(c) The present

(d) was very expensive

Answer: (a)

17. In the sentence identify the segment which contains the grammatical error. He went to work but returned back immediately.

(a) He went

(b) but returned back

(c) immediately

(d) to work

Answer: (b)

18. Select the most appropriate ANTONYM of the given word. Industrious

(a) Diligent

(b) Durable

(c) Cautious

(d) Lethargic

Answer: (d)

19. Select the INCORRECTLY spelt word.

(a) Affiliate

(b) Annihilate

(c) Aesthetic

(d) Exclaimation

Answer: (d)

20. Fill in the blank with the most appropriate word. There is a _____ growth of flowers in tropical countries.

(a) plenty

(b) powerful

(c) luxuriant

(d) pious

Answer: (c)

21. Fill in the blank with the most appropriate word. There are _____ errors in your assignment.

(a) abundant

(b) multifold

(c) sufficient

(d) numerous

Answer: (d)

22. 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.

He was greatly disappointed <u>to be failed</u> again.

(a) No improvement
(b) on failing
(c) by being failed
(d) to failed

Answer: (b)

23. Select the most appropriate meaning of the given idiom. Give a piece of one's mind

(a) To advise someone
(b) To rebuke someone strongly
(c) To donate something valuable
(d) To share one's ideas

Answer: (b)

24. Select the INCORRECTLY spelt word.

(a) Actually
(b) Parallel
(c) Persuit
(d) Opinion

Answer: (c)

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

(a) Compact
(b) Capable
(c) Precise
(d) Erroneous

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

4	**(a)**	7	**(d)**	9	**(a)**	11	**(a)**	12	**(c)**	13	**(d)**	15	**(c)**	17	**(c)**
18	**(a)**	20	**(d)**	21	**(d)**	22	**(d)**	23	**(d)**	24	**(d)**				

General Awareness

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

Quantitative Aptitude

1	**(a)**	4	**(c)**	5	**(c)**	6	**(d)**	7	**(b)**	8	**(c)**	11	**(c)**	12	**(a)**
14	**(a)**	15	**(a)**	17	**(b)**	19	**(c)**	20	**(c)**	22	**(a)**	23	**(a)**	24	**(b)**
25	**(c)**														

English Comprehension

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