

PREVIOUS YEAR PAPER

SSC CGL 2024 Tier I — 26 September, Shift 3

SSC CGL · 26 September 2024 · 4:00 PM - 5:00 PM

94 of the paper's 99 questions · +2 for a correct answer, -0.5 for a wrong one · 60 minutes

Left out of the original paper: 5 (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 26 September 2024, 4:00 PM - 5:00 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-2024-tier-1-26-sep-shift-3/

General Intelligence and Reasoning

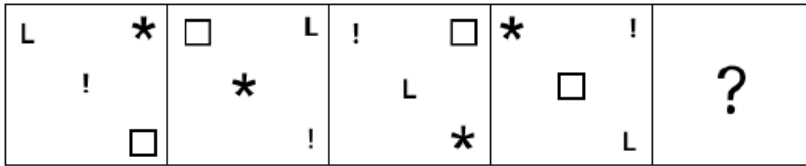
1. Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the letter-cluster that is different. Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.

- (a) YWA
- (b) JHL
- (c) LJO
- (d) OMQ

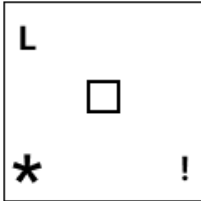
Answer: (c)



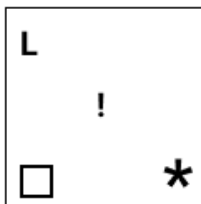
2. Identify the figure given in the options which when put in place of the question mark (?) will logically complete the series?



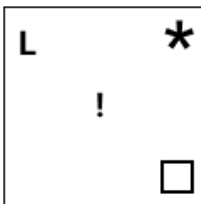
(a)



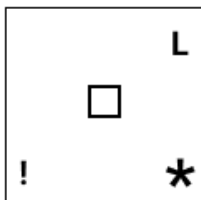
(b)



(c)



(d)



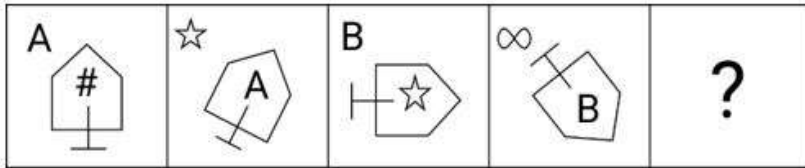
Answer: (c)

3. 624 is related to 160 following a certain logic. Following the same logic, 448 is related to 116. To which of the following is 528 related, following the same logic? (NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /deleting /multiplying etc., to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

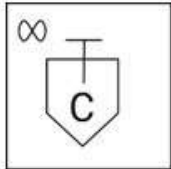
- (a) 130
- (b) 136
- (c) 148
- (d) 128

Answer: (b)

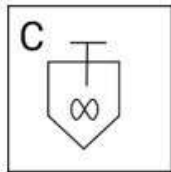
4. Select the figure from among the given options that can replace the question mark (?) and logically complete the series.



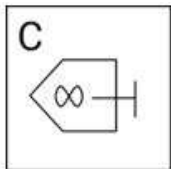
(a)



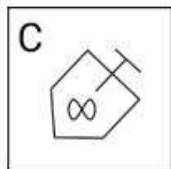
(b)



(c)



(d)



Answer: (b)

5. What will come in the place of the question mark (?) in the following equation if '+' and '×' are interchanged and '-' and '÷' are interchanged? $95 - 19 \times 4 + 6 \div 16 = ?$

(a) 11

(b) 14

(c) 12

(d) 13

Answer: (d)

6. Select the correct mirror image of the given figure when the mirror is placed at MN.



(a)

2ee4791Y

(b)

YrP74ea5

(c)

YrP74ea5

(d)

2ee4791Y

Answer: (a)

7. 80 is related to 99 following certain logic. Following the same logic, 0 is related to 3. To which of the following numbers is 35 related, following the same logic? (NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /deleting /multiplying etc., to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(a) 42

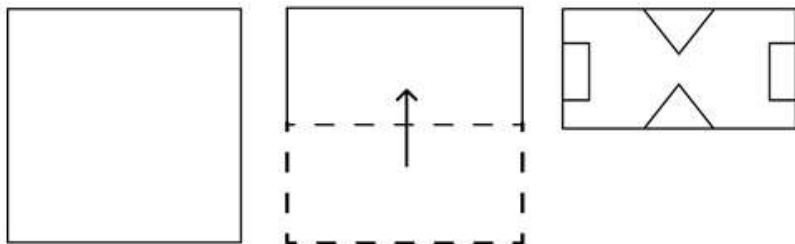
(b) 48

(c) 44

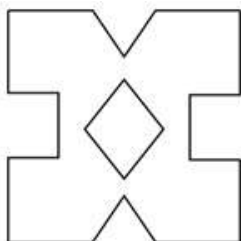
(d) 46

Answer: (b)

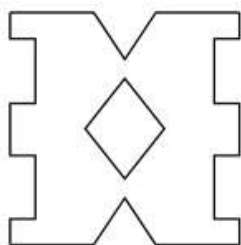
8. A square sheet of paper is folded along the dotted line successively along the directions shown and is then punched in the last. How would the paper look when unfolded?



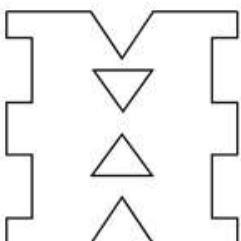
(a)



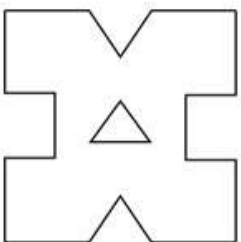
(b)



(c)



(d)



Answer: (b)



9. What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged? $2736 \times 8 - 55 + 105 \div 2 = ?$

- (a) 177
- (b) 137
- (c) 127
- (d) 187

Answer: (d)

10. Which of the following terms will replace the question mark (?) in the given series? FHVQ, IJSO, LLPM, ONMK, ?

- (a) ROJI
- (b) RPJI
- (c) QPJI
- (d) RPKJ

Answer: (b)

11. Select the option that is related to the fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster. WEL: DVO :: FOR: ULI :: SDX:?

- (a) HWC
- (b) GXC
- (c) HXC
- (d) GWC

Answer: (a)

12. In a certain code language, 'open the door' is coded as 'wu ko tn' and 'door is solid' is coded as 'ko gk mb'. How is 'door' coded in the given language?

- (a) wu
- (b) tn
- (c) ko
- (d) gk

Answer: (c)

13. Select the option that represents the letters that, when sequentially placed from left to right in the blanks below, will complete the letter series. _ V D W Y _ D W Y V _ W Y _ D _

- (a) YVDVW
- (b) YWDVW
- (c) YVYVW
- (d) YVDVY

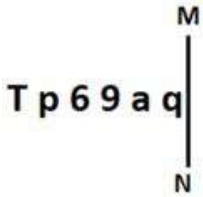
Answer: (a)

14. In a certain code language, 'A + B' means 'A is the mother of B'; 'A – B' means 'A is the brother of B'; 'A × B' means 'A is the wife of B' and 'A ÷ B' means 'A is the father of B'. Based on the above, how is 4 related to 1 if '4 × 3 – 2 – 1'?

- (a) Sister
- (b) Brother's wife
- (c) Father's sister
- (d) Mother

Answer: (b)

15. Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



- (a) p e e 9 q T
- (b) p 6 e 9 q T
- (c) q 6 9 q T
- (d) p 6 e 9 q T

Answer: (b)

16. Six letters I, O, A, Y, Z and X are written on different faces of a dice. Two positions of this dice are shown in the figures below. Find the letter on the face opposite to O.



- (a) Z
- (b) Y
- (c) A
- (d) X

Answer: (b)

17. The position of how many letters will remain unchanged if all the letters in the word MOLTEN are arranged in English alphabetical order?

- (a) Two
- (b) Three
- (c) None
- (d) One

Answer: (c)

18. In a certain code language, 'VTPM' is coded as '37' and 'CGNK' is coded as '73'. How will 'MVLC' be coded in the same language?

- (a) 64
- (b) 81
- (c) 72
- (d) 58

Answer: (d)

19. Select the number from among the given options that can replace the question mark (?) in the following series. 672, 677, 686, 699, 716, ?

- (a) 749
- (b) 737
- (c) 747
- (d) 757

Answer: (b)

20. Three of the following number-pairs are alike in some manner and hence form a group. Which number-pair does not belong to that group? (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

- (a) 8 – 100
- (b) 6 – 64
- (c) 12 – 225
- (d) 9 – 121

Answer: (c)

21. Select the option that is related to the fifth letter cluster in the same way as the second letter cluster is related to the first letter cluster and the fourth letter cluster is related to the third letter cluster. IMPROVE : RPMIEVO :: HISTORY : TSIHYRO :: JOURNEY : ?

- (a) NEYJOUR
- (b) YENRUOJ
- (c) RUOJYEN
- (d) JOURYEN

Answer: (c)

22. Three statements are given followed by three conclusions numbered I, II and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements. Statements: Some cups are glasses. No glass is a stone. All stones are metals. Conclusions:

I. All cups can never be stones.

II. No cup is a metal.

III. All metals can never be glasses.

(a) Only II and III conclusion follow

(b) Only I and III conclusion follow

(c) Only conclusion I follows

(d) All I, II and III conclusion follow

Answer: (b)

23. In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the set in which the numbers are related in the same way as are the numbers of the following sets. (NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /deleting /multiplying etc., to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.) (96, 29) (112, 33)

(a) (188, 52)

(b) (176, 45)

(c) (108, 30)

(d) (204, 55)

Answer: (a)

24. In this question, three statements are given followed by three conclusions numbered I, II and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements. Statements: All phones are TVs. Some TVs are big. Some big are cars. Conclusions: I. Some TVs are phones. II. Some big are TVs. III. All big are cars.

(a) Only conclusions II and III follow.

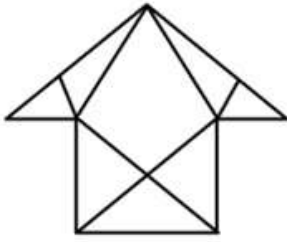
(b) Only conclusions I and II follow.

(c) None of the conclusions follows.

(d) Only conclusion III follows.

Answer: (b)

25. How many triangles are there in the given figure?



- (a) 10
- (b) 11
- (c) 13
- (d) 12

Answer: (b)

General Awareness

1. In which of the following places did Mahatma Gandhi, along with other Indians, establish the Natal Congress to fight against racial discrimination?

- (a) South Africa
- (b) France
- (c) England
- (d) India

Answer: (a)

2. Yakshagan is a folk dance of which of the following states?

- (a) Madhya Pradesh
- (b) West Bengal
- (c) Odisha
- (d) Karnataka

Answer: (d)

3. What is the unit of specific resistance?

- (a) Coulomb
- (b) Ampere
- (c) Ohm meter
- (d) Farad

Answer: (c)

4. UPSC is a Constitutional Body to conduct examinations for appointments to the services of the Union and the services of the State, respectively, under Article _____.

- (a) 332
- (b) 328
- (c) 324
- (d) 320

Answer: (d)

5. The Tripartite struggle happened among the Palas, the Pratiharas and the _____.

- (a) Rashtrakutas
- (b) Maukharis
- (c) Chandelas
- (d) Chalukyas

Answer: (a)

6. Guru Ghasidas led which of the following movements to improve the social condition of leather workers in British India?

- (a) Satyashodhak Samaj
- (b) Satnami Movement
- (c) Aravipuram Movement
- (d) Nirankari Movement

Answer: (b)

7. Subansiri, Jia Bharali, Dhansiri and Puthimari are the major tributaries of which river?

- (a) Mahanadi
- (b) Godavari
- (c) Bhagirathi
- (d) Brahmaputra

Answer: (d)

8. The first Indian Olympic Games was hosted by which of the following cities?

- (a) Bombay
- (b) Allahabad
- (c) Madras
- (d) Lahore

Answer: (d)

9. Which law states that endothermic animals from cold climates have smaller extremities or appendages than closely related species from warm climates?

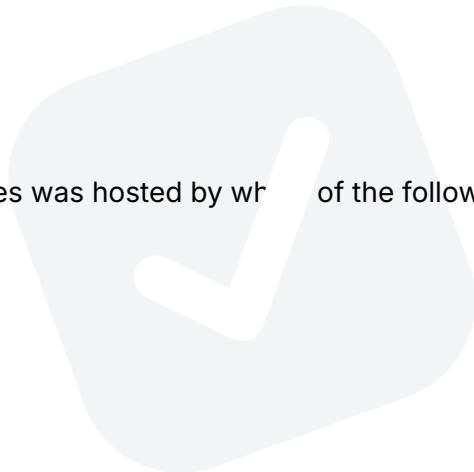
- (a) Allen's rule
- (b) Reich's rule
- (c) Harper's rule
- (d) Moller's rule

Answer: (a)

10. What gave a major impetus to the cotton textile industry in India after Independence?

- (a) Export of raw cotton to England
- (b) Partition of India in 1947
- (c) Swadeshi movement
- (d) Development of railway network

Answer: (c)



11. Pushyabhuti dynasty, after Prabhakarvardhana, strengthened its position in the regions of Punjab and Haryana after defeating which of the following dynasties?

- (a) Chalukyas
- (b) Hunas
- (c) Maitrakas
- (d) Maukharis

Answer: (b)

12. Which type of well-managed industry was established in India at the time of independence?

- (a) Cement and Sugar
- (b) Steel and Cotton
- (c) Steel and Electronics
- (d) Electronics and Electricals

Answer: (b)

13. Each of the following statements includes two terms. In three cases, the two terms mean the same as each other. In which of the following cases do the two terms NOT mean the same as each other?

- (a) The base period and the reference period
- (b) Changes in real GDP and the GDP deflator
- (c) Nominal GDP and GDP at current prices
- (d) Real GDP and GDP at constant prices

Answer: (b)

14. Vishu festival is celebrated in which of the following states?

- (a) Madhya Pradesh & Rajasthan
- (b) Gujarat and Maharashtra
- (c) Kerala And Karnataka
- (d) Kerala And Tamil Nadu

Answer: (d)

16. In February 2023, BVR Subrahmanyam was appointed as the _____.

- (a) Comptroller General Of India
- (b) CEO NITI Ayog
- (c) Chief Vigilance Commissioner
- (d) Chief Election Commissioner

Answer: (b)

18. Which of the following states suffers from 'Loo'?

- (a) Karnataka
- (b) Assam
- (c) Rajasthan
- (d) Kerala

Answer: (c)

19. The National Youth Policy 2014 defines youth as population between the ages of _____ and _____.

- (a) 15; 25
- (b) 20; 29
- (c) 15; 29
- (d) 10; 19

Answer: (c)

20. Which television channel presents the IMMIES Awards every year with an aim to reward the best talent in the Indian music industry?

- (a) 9XM
- (b) MTV
- (c) Channel V
- (d) B4U Music

Answer: (b)

21. At which Olympic games did Abhinav Bindra win the gold medal?

- (a) Athens 2004
- (b) Rio 2016
- (c) Beijing 2008
- (d) London 2012

Answer: (c)

22. Which of the following options best describes the primary cause of the per capita income decline?

- (a) Equitable distribution of income
- (b) Increase in the population growth
- (c) Decline in the population growth
- (d) Decline in the gross domestic product

Answer: (b)

23. Which of the following organisations is associated with the development of the web version: e-GOPALA application?

- (a) National Institute of Agricultural Extension Management
- (b) Indian Council of Agricultural Research
- (c) National Dairy Development Board (NDDB)
- (d) National Dairy Research Institute (NDRI)

Answer: (c)

24. Which Article of the Indian Constitution mentions about the 'Promotion of educational and economic interests of Scheduled Castes, Scheduled Tribes and other weaker sections'?

- (a) Article 45
- (b) Article 47
- (c) Article 48
- (d) Article 46

Answer: (d)

25. Pandit Ram Narayan was associated with which of the following musical instruments?

- (a) Sarangi
- (b) Sarod
- (c) Mohan veena
- (d) Rudra veena

Answer: (a)

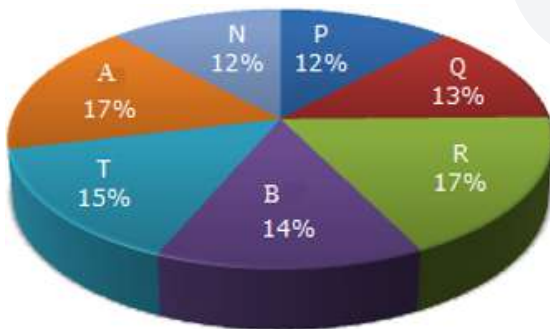
Quantitative Aptitude

1. Ram's income is 2.5% more than Shyam's income. By what percentage is Shyam's income less than Ram's income?

- (a) 4.43%
- (b) 1.43%
- (c) 3.43%
- (d) 2.43%

Answer: (d)

2. The following pie-chart shows the distribution of students at graduate level in different institutes in a town. Study the given chart and answer the question that follows. Distribution of students at graduate level institutes



If the total number of students at the graduate level is 2,46,000, then how many students of institutes A and B are studying at graduate level?

- (a) 76,260
- (b) 86,190
- (c) 78,370
- (d) 74,580

Answer: (a)

3. Find the volume of a cone having base radius 3.5 cm and height 18 cm.

- (a) 221 cm^3
- (b) 241 cm^3
- (c) 201 cm^3
- (d) 231 cm^3

Answer: (d)

5.

In how much time will ₹5,000 at 4% per annum simple interest produce the same interest as ₹8,000 in $2\frac{1}{2}$ years at 8% per annum simple interest?

- (a) 2 years
- (b) 8 years
- (c) 5 years
- (d) 4 years

Answer: (b)

6.

The given table shows the expenditure of a company (in lakh rupees) per annum over the years.

Year	Salary	Fuel and transport	Bonus	Interest on loan	Taxes
2005	212	78	4.00	24.6	88
2006	225	98	4.25	29.7	110
2007	236	105	4.75	36.8	125
2008	247	125	5.55	42.3	103
2009	295	145	6.25	49.6	118
2010	325	155	6.85	58.4	135

The total expenditure on all these categories in 2006 is what percentage of the total expenditure in 2009? (rounded off to two places of decimals)

- (a) 66.07%
- (b) 76.07%
- (c) 76.09%
- (d) 66.09%

Answer: (b)

7. A tank is filled in 45 minutes by two pipes, A and B. Pipe B fills the tank twice as fast as A. How much time (in minutes) will pipe A alone take to fill the tank?

- (a) 115
- (b) 135
- (c) 125
- (d) 140

Answer: (b)

8.

If $\frac{x}{x^2 - 2x + 1} = \frac{1}{3}$, then the value of $x^3 + \frac{1}{x^3}$ is:

- (a) 110
- (b) 180
- (c) 160
- (d) 130

Answer: (a)

9. How much rice of ₹4 per kg should be mixed to 15 kg of rice of ₹10 per kg, so as to make a mixture worth ₹6.50 per kg?

- (a) 40 kg
- (b) 21 kg
- (c) 30 kg
- (d) 15 kg

Answer: (b)

10. Find the value of the unknowns: $x + 1.5y + 2z = 5.5$ $x + 5y + 7z = 15$ $3x + 11y + 13z = 25$

- (a) $x = 4, y = -3, z = 2$
- (b) $x = -3, y = 2, z = 4$
- (c) $x = 2, y = -3, z = 4$
- (d) $x = 2, y = 4, z = -3$

Answer: (c)

11. In a triangle PQR, $\angle P + \angle Q = 84^\circ$. Find the value of $\angle R$.

- (a) 74°
- (b) 96°
- (c) 102°
- (d) 60°

Answer: (b)

12. The monthly incomes of A, B and C are in the ratio 2 : 9 : 3 and their expenses are in the ratio 3 : 9 : 5. If A's saving is half of his total income, then savings of A, B and C are, respectively, in the ratio of:

- (a) 3 : 9 : 2
- (b) 2 : 5 : 2
- (c) 3 : 18 : 4
- (d) 1 : 2 : 1

Answer: (c)

13.

If $x = a \sec \theta \cos \phi$, $y = b \sec \theta \sin \phi$ and $z = c \tan \theta$, then the value of

$\left(\frac{x^2}{a^2} + \frac{y^2}{b^2} - \frac{z^2}{c^2}\right)$ is equal to:

- (a) 0
- (b) 3
- (c) 1
- (d) 2

Answer: (c)

14.

If $\cot \theta = \sqrt{11}$, then the value of $\frac{\operatorname{cosec}^2 \theta - \sec^2 \theta}{\operatorname{cosec}^2 \theta + \sec^2 \theta}$ is:

- (a)
 $\frac{6}{7}$
- (b)
 $\frac{5}{6}$
- (c)
 $\frac{3}{5}$
- (d)
 $\frac{4}{5}$

Answer: (b)

16. Simplify

$$626 \times 2912 \div 8138$$

- (a) 364
- (b) 224
- (c) 285
- (d) 310

Answer: (b)

17.

$7^{15} + 7^{16} + 7^{17}$ is divisible by which of the following given numbers?

- (a) 5
- (b) 2
- (c) 4
- (d) 3

Answer: (d)



18. If the altitude from two vertices of a triangle to the opposite sides are equal, then the triangle will be:

- (a) equilateral triangle
- (b) isosceles triangle
- (c) scalene triangle
- (d) obtuse angle triangle

Answer: (b)

19.

The number of applicants appeared and qualified in a 4-wheeler driving licence test during the last four months of 2022 from a city are listed in the following table. Study the table carefully and answer the question that follows.

Month	Appeared applicants	Qualified applicants
September	2500	1200
October	2000	1100
November	2100	900
December	3000	1500

What is the percentage of disqualified applicants for the driving licence test in September?

- (a) 48%
- (b) 50%
- (c) 52%
- (d) 54%

Answer: (c)

20.

The greatest value of $\sin^4 \theta + \cos^4 \theta$ is:

- (a) 1
- (b) 3
- (c) 4
- (d) 2

Answer: (a)

21. An article costs ₹1,000 for a salesman. He fixes its marked price as ₹1,500. He sells it to a customer at a discount of 20%. He gives a further discount of 10% for each cash payment. Find the percentage of loss or gain that the salesman makes on sale.

- (a) loss 10%
- (b) gain 10%
- (c) loss 8%
- (d) gain 8%

Answer: (d)

22.

Simplify $\frac{4x^2 - 49y^2}{2x + 7y} + 7y - 2x$

(a)

0

(b)

4x

(c)

7y

(d)

4x - 14y

Answer: (a)

23. In a circular race of 1600 m in length, Bhaskar and Vinay start with speeds of 27 km/h and 45 km/h starting at the same time from the same point. When will they meet for the first time on the track when running in the opposite directions and the same direction, respectively?

(a) 1 minute 40 seconds and 5 minutes 20 seconds

(b) 1 minute 20 seconds and 5 minutes 20 seconds

(c) 2 minutes 40 seconds and 5 minutes 40 seconds

(d) 2 minutes 20 seconds and 4 minutes 20 seconds

Answer: (b)

24.

The following table shows the production (in units) and sales, of different items of a steel company. Study the table and answer the question that follows.

Item	Production (Units)	Sales (Units)
Plate	252	190
Bowl	356	307
Spoon	185	133
Pipe	220	155
Holder	458	419

In which item is there the least number of unsold items?

(a) Plate

(b) Holder

(c) Spoon

(d) Pipe

Answer: (b)

25. A secant PAB is drawn from an external point P to the circle with the centre at O, intersecting it at A and B. If $OP = 17$ cm, $PA = 12$ cm and $PB = 22.5$ cm, then the radius of the circle is:

- (a) $\sqrt{19}$ cm
- (b) $\sqrt{17}$ cm
- (c) $\sqrt{21}$ cm
- (d) $\sqrt{23}$ cm

Answer: (a)

English Comprehension

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

- (a) Protection
- (b) Habitual
- (c) Fashion
- (d) Unusual

Answer: (d)

2. Select the most appropriate option to substitute the underlined part of the following sentence.
The playwright has faced many ups and downs in his literary career, which spanned for almost 30 years.

- (a) much truth and falsehood
- (b) much light and darkness
- (c) many agreements and disagreements
- (d) many good and bad times

Answer: (d)

3. Select the word segment that can substitute the bracketed word segment correctly and complete the sentence meaningfully. We will have to (put the meeting away) as the Director is not well.

- (a) put the meeting up
- (b) put the meeting again
- (c) put the meeting on
- (d) put the meeting off

Answer: (d)

5. Select the option that expresses the given sentence in active voice. How have they been ordered by the minister?

- (a) How has the minister ordered them?
- (b) How did the minister order them?
- (c) How have the minister ordered them?
- (d) How had the minister ordered them?

Answer: (a)

6. Parts of a sentence are given below in jumbled order. Arrange the parts in the correct order to form a meaningful sentence.

- (A) to become severely seasick
- (B) a world tour, but he was
- (C) a nervous flyer and tended
- (D) he wanted to go on

- (a) DBCA
- (b) ADBC
- (c) CADB
- (d) BADC

Answer: (a)

7. Select the correct meaning of the underlined idiom in the following sentence.

Lucy's conceited conduct with her colleagues has left her high and dry

- (a) Impoverished
- (b) Superseding
- (c) Helpless
- (d) Surrounded by people

Answer: (c)

8. The following sentence has been split into four segments. Identify the segment that contains an error. He was / bad injured / in the / last match.

- (a) He was
- (b) bad injured
- (c) in the
- (d) last match.

Answer: (b)

9. Sentences of a paragraph are given below in jumbled order. Select the option that arranges the sentences in the correct logical sequence to form a meaningful and coherent paragraph.
- a. This figure is predicted to climb as the percentage of Americans residing in rural areas falls by an average of 1.6% annually.
 - b. The United Nations reports that India's urban population is growing at a rate of 1.1 percent annually, while the country's rural population is shrinking at a rate of 0.37 percent annually.
 - c. While 82% of Americans live in urban settings, only 30% of Indians do so.
 - d. It's still a considerably smaller percentage of the Indian population than it is in the US that resides in urban areas.

- (a) b, d, c, a
- (b) d, b, a, c
- (c) a, c, b, d
- (d) b, d, a, c

Answer: (a)

10. Select the option that can be used as a one-word substitute for the given group of words. Study of flying airplanes

- (a) Astronomy
- (b) Alchemy
- (c) Aviation
- (d) Acoustics

Answer: (c)

11. Select the most appropriate homophone to fill in the blank. The ____ of the flowers spread everywhere when they bloom.

- (a) cent
- (b) sent
- (c) scent
- (d) saint

Answer: (c)

12. Select the INCORRECTLY spelt word.

- (a) Embarrass
- (b) Discipline
- (c) National
- (d) Convinient

Answer: (d)

13. Select the most appropriate synonym of the word in brackets to fill in the blank. She _____ requested him to pay the bills. (persistently)

- (a) continuously
- (b) impetuously
- (c) obviously
- (d) tremendously

Answer: (a)

14. Select the most appropriate ANTONYM of the given word. Astute

- (a) Stupid
- (b) Dispute
- (c) Temporary
- (d) Illegal

Answer: (a)

15. Parts of a sentence are given below in jumbled order. Arrange the parts in the correct order to form a meaningful sentence.

- (a) one of the primary obstacles encountered
- (b) is the risk of sample contamination
- (c) during the analysis of controlled dangerous substance (CDS)
- (d) from improper handling and collecting methodologies
- (e) proof bloodstain patterns and DNA evidence

- (a) acebd
- (b) abcde
- (c) eacdb
- (d) aecdb

Answer: (a)

16. Select the most appropriate ANTONYM of the given word. Coy

- (a) Recent
- (b) Extroverted
- (c) Uptight
- (d) Shy

Answer: (b)

17. Select the correct spelling of the word that means 'to replace'.

- (a) Supersed
- (b) Superseed
- (c) Supersede
- (d) Superceed

Answer: (c)

19. Select the most appropriate option that can substitute the underlined segment in the given sentence. If no substitution is required, select 'No substitution'. The chief guest concluded his speech as he requested to stop by the organisers.

- (a) he is requested
- (b) no substitution
- (c) he will be requested
- (d) he was requested

Answer: (d)

20. The following sentence has been divided into four segments. Identify the segment that contains a grammatical error. My sister and I / work very hard / nevertheless my brother does not do / any task assigned to him.

- (a) work very hard
- (b) My sister and I
- (c) nevertheless my brother does not do
- (d) any task assigned to him.

Answer: (c)

Passage — for questions 21–25

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank. Global warming is a major problem. The result will be the problems created by the rising temperatures of the Arctic region. As a result of global warming, (1)_____ in rainfall and plant distribution affect the migration patterns, feeding behaviour, and breeding preferences of numerous bird species. The increase in the temperature may also alter ocean currents, which may alter the (2)_____ ecology as a whole. Greenhouse gas emissions are responsible for the ongoing melting of the Arctic. This will result in a (3)_____ loop since greenhouse gases trap the heat in the atmosphere and the additional emissions may (4)_____ the global warming process. Now, the only way to reverse the harm is for every person to be environmentally sensitive. This may offer us hope that we will be able to leave a green planet to our future generations, who presently appear to face (5)_____.

21. Select the most appropriate option to fill in blank number 1.

- (a) stabilisation
- (b) fixation
- (c) stagnation
- (d) alterations

Answer: (d)

22. Select the most appropriate option to fill in blank number 2.

- (a) grassland
- (b) biosphere
- (c) landscape
- (d) marine

Answer: (d)

23. Select the most appropriate option to fill in blank number 3.

- (a) vicious
- (b) feeble
- (c) moderate
- (d) gentle

Answer: (a)

24. Select the most appropriate option to fill in blank number 4.

- (a) hinder
- (b) repress
- (c) restrain
- (d) accelerate

Answer: (d)

25. Select the most appropriate option to fill in blank number 5.

- (a) extinction
- (b) renovation
- (c) salvation
- (d) redemption

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

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

General Awareness

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

Quantitative Aptitude

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

English Comprehension

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