

PREVIOUS YEAR PAPER

SSC CHSL 2023 Tier I — 10 August 2023, Shift 4

SSC CHSL · 10 August 2023 · 5:15 PM - 6:15 PM

81 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: 19 (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 10 August 2023, 5:15 PM - 6:15 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-chsl/previous-year-papers/ssc-chsl-2023-tier-1-10-aug-shift-4/

English Language

1. Select the option that expresses the given sentence in active voice. By whom were these letters written?

- (a) Who have written these letters?
- (b) Who writes these letters?
- (c) Who has written this letters?
- (d) Who wrote these letters?

Answer: (d)

2. Select the option that expresses the given sentence in active voice. The mice were chased by the cat.

- (a) The cat chased the mice.
- (b) The cat is chasing the mice.
- (c) The cat are chased the mice.
- (d) The cat chases the mice.

Answer: (a)

4. Select the most appropriate homophone to fill in the blank.

I will _____ any job offer _____ for the one that requires me to work on weekends.

- (a) except; accept
- (b) expect; except
- (c) expect; accept
- (d) accept; except

Answer: (d)

5. Sentences of a paragraph are given below in jumbled order. Select the option that arranges the sentences in the correct order to form a meaningful and coherent paragraph.

A. These changes were sure to happen as technological intervention cannot be arrested anywhere.
B. Recent times have marked a major change in the teaching-learning process in the educational sector.
C. A willing acceptance and practicing it to achieve excellence into it is the single option to all educators.
D. Beyond this, the constant flux in the diversified areas of academics has forced this change.

- (a) A, B, C, D
- (b) B, A, C, D
- (c) B, A, D, C
- (d) A, D, B, C

Answer: (c)

6. Select the most appropriate option that can substitute the underlined segment in the given sentence.

She will accept his love proposal if he will express impressively.

- (a) if he has been pressed
- (b) if he had express
- (c) if he expresses
- (d) if he expressed

Answer: (c)

7. Select the most appropriate ANTONYM of the underlined word. Everyone should be aware of the possibly greater potential for natural disasters where they live and what resources they have in case these happen.

- (a) Maze
- (b) Certainty
- (c) Knot
- (d) Neuter

Answer: (b)

10. Select the most appropriate ANTONYM of the underlined word in the given sentence. Due to the weather forecast that it is going to rain heavily here, all the arrangements are in turmoil.

- (a) Peace
- (b) Commotion
- (c) Fuss
- (d) Uproar

Answer: (a)

11. Select the most appropriate option that can substitute the underlined segment in the following sentence.

Could you please tell me which movie you would like to watch tonight?

- (a) you may wish to scroll
- (b) you have desire to see
- (c) you are wishing to watch
- (d) are you interested in watching

Answer: (c)

13. Parts of the following sentence have been given as options. One of them may contain an error. Select the option that contains the error. If you don't find any error, mark 'No error' as your answer. The soldier met a fearless death fighting on behalf at his country.

- (a) The soldier met
- (b) a fearless death
- (c) No error
- (d) fighting on behalf at his country

Answer: (d)

15. Select the correctly spelt word.

- (a) Concurently
- (b) Strateigy
- (c) Efficient
- (d) Prodactivity

Answer: (c)

16. Select the INCORRECTLY spelt word.

- (a) Procedure
- (b) Procession
- (c) Prescription
- (d) Pilgrimmage

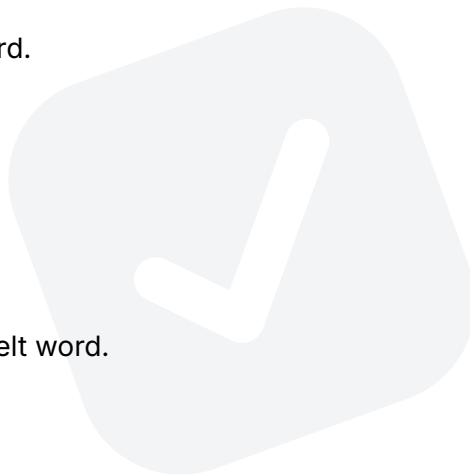
Answer: (d)

17. Select the option that expresses the given sentence in superlative degree of comparison.

This type is the quiet and most efficient style of humidifier.

- (a) This type is the quiet and efficient style of humidifier.
- (b) No change needed
- (c) This type is the quietest and most efficient style of humidifier.
- (d) This humidifier is the quieter style of.

Answer: (c)



18. Select the most appropriate synonym of the bracketed word in the following sentence to fill in the blank.

It is hard to draw clear lines of _____ (division) between work and leisure.

- (a) comprehension
- (b) administration
- (c) demarcation
- (d) procrastination

Answer: (c)

19. Select the most appropriate synonym of the underlined word.

The neighbour's words always tantalise us.

- (a) Pacify
- (b) Provoke
- (c) Misguide
- (d) Direct

Answer: (b)

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

- A. pleasure, fun and luxury
- B. in life
- C. more than anything else
- D. modern Indian youth seek

- (a) CDBA
- (b) DACB
- (c) BDCA
- (d) ABCD

Answer: (b)

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. Clean India Mission is one of the most _____(1) and popular missions to have taken place in India. This mission includes a reward to a state and a city. This encourages every citizen to keep the surroundings clean. This cleanliness campaign was _____(2) by the Indian government at the national level, _____(3) all the rural towns and urban cities. Its primary objective is to spread awareness and importance of cleanliness. Slogans are written on the banners and pictures are painted in a very attractive manner to evoke the feeling of cleanliness. After that, a major objective was to teach citizens to _____(4) of waste mindfully and to provide basic _____(5) facilities. For this, wet and dry dustbins are kept by every citizen whether it is home or office.

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

- (a) insignificant
- (b) meaningless
- (c) significant
- (d) demonstrative

Answer: (c)

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

- (a) governed
- (b) rehearsed
- (c) dominated
- (d) unorganised

Answer: (a)

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

- (a) encompassing
- (b) preventing
- (c) excluding
- (d) restraining

Answer: (a)

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

- (a) show
- (b) disturb
- (c) dispose
- (d) finish

Answer: (c)

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

- (a) sanitation
- (b) refinement
- (c) purification
- (d) contamination

Answer: (a)

General Intelligence

1.

In a certain code language, 'LAMP' is coded as '6413' and 'MALE' is coded as '1246'. What is the code for 'P' in the given code language?

(a)

3

(b)

1

(c)

2

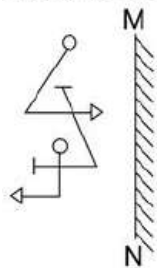
(d)

6

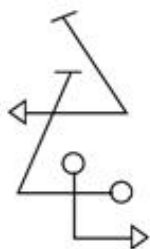
Answer: (a)

2.

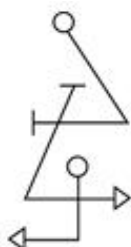
Select the correct mirror image of the given figure when the mirror is placed at MN as shown.



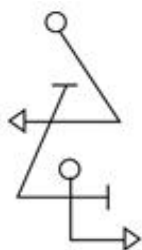
(a)



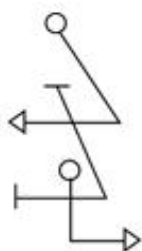
(b)



(c)



(d)

**Answer: (c)**

3.

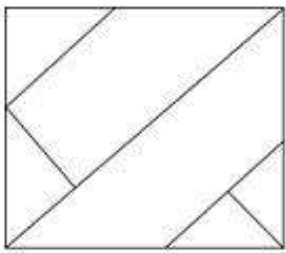
15 is related to 29 following a certain logic. Following the same logic, 22 is related to 43. To which of the following is 35 related to, following the same logic?

- (a)
78
- (b)
69
- (c)
62
- (d)
72

Answer: (b)

4.

How many triangles are there in the given figure?



- (a)
Nine
- (b)
Six
- (c)
Eight
- (d)
Seven

Answer: (d)



5.

Select the triad in which the numbers are related in the same way as are the numbers of the following triads.

$$15 - 14 - 13$$

$$17 - 21 - 25$$

(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)

$$19 - 22 - 25$$

(b)

$$34 - 12 - 28$$

(c)

$$38 - 28 - 10$$

(d)

$$23 - 42 - 46$$

Answer: (a)

6.

If 'A' stands for '+', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '-', what will come in place of the question mark '?' in the following equation?

$$3 \text{ B } 26 \text{ C } 15 \text{ D } 36 \text{ A } 3 = ?$$

(a)

$$82$$

(b)

$$80$$

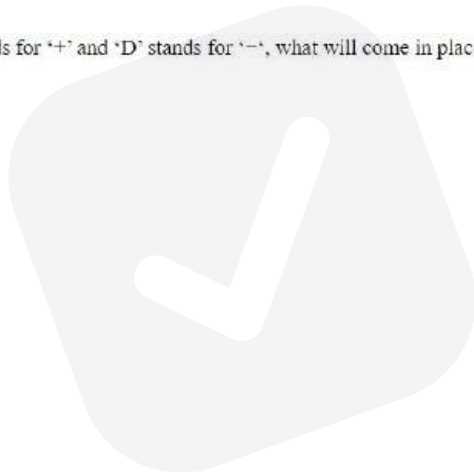
(c)

$$81$$

(d)

$$83$$

Answer: (c)



8.

Select the pair of letter-clusters which follows the same pattern as that followed by the two sets of pair of letter-clusters given below. Both pairs of letter-clusters follow the same pattern.

DAC : NKM

PNM : ZXW

(a)

HIJ : EFG

(b)

GJM : QTW

(c)

POQ : STU

(d)

KHG : ADE

Answer: (b)

9.

Select the option in which the numbers share the same relationship as that shared by the given pairs of numbers.
(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.)

12 : 65 and 13 : 70

(a)

14 : 65

(b)

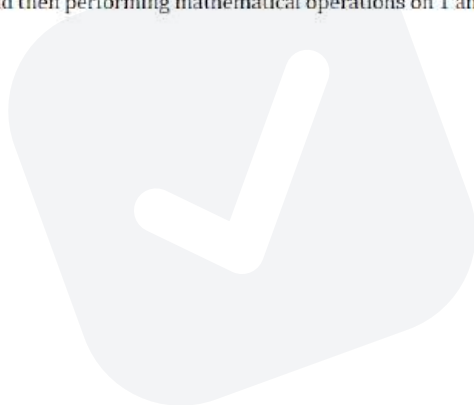
15 : 80

(c)

16 : 75

(d)

18 : 85

Answer: (b)

10.

What should come in place of the question mark (?) in the given series?

48, 100, ?, 1232, 6170

(a)

306

(b)

280

(c)

304

(d)

214

Answer: (a)

11.

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:

Some mangoes are oranges.

Some kiwis are guavas.

All oranges are kiwis.

Conclusions:

(I) Some kiwis are mangoes.

(II) Some guavas are oranges.

(a)

Only conclusion (I) follows

(b)

Neither conclusion (I) nor (II) follows

(c)

Only conclusion (II) follows

(d)

Both conclusions (I) and (II) follow

Answer: (a)

12.

The second number in the given number pairs is obtained by performing certain mathematical operations(s) on the first number. The same operation(s) are followed in all the number pairs except one. Find that odd number pair.

(a)

6 : 12

(b)

10 : 60

(c)

8 : 40

(d)

7 : 21

Answer: (c)

13.

If 11 October 1965 is Monday, then what will be the day of the week on 15 July 1973?

(a)

Monday

(b)

Friday

(c)

Tuesday

(d)

Sunday

Answer: (d)

15.

Three of the following four are alike in a certain way and thus form a group. Which is the one that does NOT belong to that group?

(a)

TVZ

(b)

KMQ

(c)

EGJ

(d)

BDH

Answer: (c)

16.

In a certain code language,

$A + B$ means 'A is the mother of B'

$A - B$ means 'A is the husband of B'

$A \times B$ means 'A is the father of B'

$A \div B$ means 'A is the sister of B'

Based on the above, how is D related to H if ' $D \times E - F + G \div H$ '?

(a)

Father

(b)

Father's brother

(c)

Mother's father

(d)

Father's father

Answer: (d)

17.

In a certain code language,

$A + B$ means A is the father of B,

$A - B$ means A is the mother of B,

A / B means A is the wife of B,

$A \times B$ means A is the husband of B.

Based on the above, how is D related to L in $L / C + D \times P$?

(a)

Mother

(b)

Father

(c)

Daughter

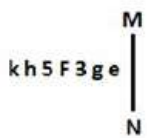
(d)

Son

Answer: (d)

18.

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



(a)

g e 3 F 2 h k

(b)

g e 3 F 2 h k

(c)

g e 3 F 5 h k

(d)

g e 3 F 2 h k

Answer: (b)

19.

Select the combination of letters that when sequentially placed in the blanks of the given series will make the series logically complete.

FLG_K_JMPH_RUFP_

(a)

GHMX

(b)

OWMO

(c)

HJMW

(d)

ABDG

Answer: (c)

20.

If 12 January 2004 is Monday, then what will be the day of the week on 26 February 2011?

(a)

Saturday

(b)

Monday

(c)

Thursday

(d)

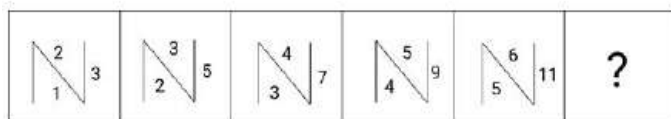
Wednesday

Answer: (a)

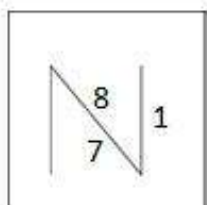


21.

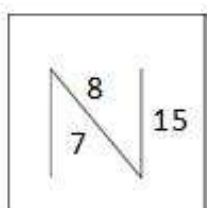
Identify the figure given in the options which when put in place of the question mark (?) will logically complete the series.



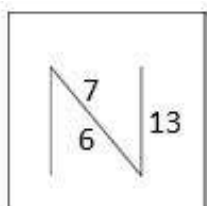
(a)



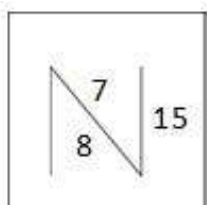
(b)



(c)



(d)

**Answer: (c)**

22.

In a certain code language, 'ZEPHYR' is coded as 'IYLVH' and 'SCHIZY' is coded as 'BGQMIC'. What is the code for 'ZINCKY' in the given code language?

(a)

IMNGTC

(b)

IMWGSC

(c)

IMWGTC

(d)

IMWFTC

Answer: (c)

23.

What should come in place of the question mark (?) in the given series?

35 24 ? 8 3 0

(a)

14

(b)

12

(c)

15

(d)

18

Answer: (c)

24.

What will come in the place of the question mark (?) in the following equation if '+' and '-' are interchanged and '×' and '÷' are interchanged?

$$13 \div 145 \times 29 - 79 + 17 = ?$$

(a)

119

(b)

131

(c)

124

(d)

127

Answer: (d)

25.

Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.

G_KMI_MGK_GIM_IK

(a)

IKK

(b)

MGIK

(c)

GGMI

(d)

IKMG

Answer: (d)

Quantitative Aptitude

3.

What is the value of x in the number 3426x if the number is divisible by 6 but NOT divisible by 5?

(a)

3

(b)

4

(c)

6

(d)

8

Answer: (c)

4.

Rice worth ₹504 per kg and ₹540 per kg are mixed with the third variety in the ratio 1 : 1 : 2. If the mixture is worth ₹612 per kg, find the price (per kg in ₹) of the third variety.

(a)

630

(b)

702

(c)

764

(d)

522

Answer: (b)

5.

Simplify the given expression.

$$\frac{(x^2 - y^2)(x + y)}{x^2 + xy + y^2}$$

(a)

$$x - y$$

(b)

$$x^2 - y^2$$

(c)

$$x + y$$

(d)

$$x^2 + y^2$$

Answer: (b)

6.

If two circles of different radii touch externally, then what is the maximum number of common tangents that can be drawn to the two circles?

(a)

3

(b)

2

(c)

0

(d)

1

Answer: (a)

7.

Find the value of the following expression.

$$2(\tan^2 A \cos^2 A + \cos^2 A)$$

(a)

4

(b)

1

(c)

3

(d)

2

Answer: (d)

10.

If $a+5b=13$ and $ab=9$, find the value of $a^2 + 25b^2$.

(a)

69

(b)

79

(c)

49

(d)

59

Answer: (b)

12.

When P is subtracted from each of the numbers 8, 6, 2 and 9, the numbers so obtained in this order are in proportion. What is the mean proportional between $(3P - 6)$ and $(9P - 4)$?

(a)

26

(b)

28

(c)

29

(d)

24

Answer: (b)

13.

In a 140 m race, Pankaj runs at a speed of $\frac{5}{2}$ m/s. He gives a start of 20 m to Arun and still defeats him by 4 seconds. The speed of Arun is:

(a)

1.75 m/s

(b)

1.25 m/s

(c)

2 m/s

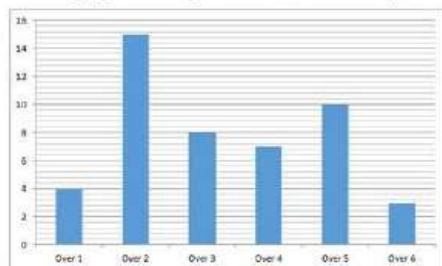
(d)

1.5 m/s

Answer: (c)

14.

The bar graph below gives the runs scored by Team A in the first six overs of a cricket match.



The runs scored by Team A in the 7th over was 5 more than the runs scored by them in the 8th over, but 6 less than the runs scored by them in the 9th over. If the average runs scored per over by Team A in the first nine overs of the match was 9, how many runs did the team score in the 8th over?

(a)

5

(b)

7

(c)

6

(d)

8

Answer: (c)

15.

A bookseller gives 7 books free on buying 13 books. Find the percentage discount given to the customer's.

(a)

25%

(b)

20%

(c)

35%

(d)

30%

Answer: (c)

16.

In what time will ₹3,20,000 amount to ₹4,05,000 if compounded at 12.5% per annum?

(a)

1 year

(b)

2 years

(c)

3 years

(d)

4 years

Answer: (b)

17.

A can finish a work in 24 days and B in 30 days, individually. They work together for 11 days. The percentage of the work still to be finished will be:

(a)

18%

(b)

16%

(c)

17.5%

(d)

12.5%

Answer: (c)

18.

Two similar triangles are given i.e. $\triangle LMN \sim \triangle PQR$, with measurement of angle and side as angle $L = 40^\circ$, angle $N = 80^\circ$, $LM = 6$ cm, $LN = 8$ cm and $PQ = 7.5$ cm. Find the value of angle Q and side PR , respectively.

(a)

 $60^\circ, 20$ cm

(b)

 $50^\circ, 6.5$ cm

(c)

 $40^\circ, 10$ cm

(d)

 $60^\circ, 10$ cm**Answer: (d)**

19.

Two circles of radius 2.4 cm and 4 cm, respectively, have a common tangent. The distance between the centres of the two circles is 6.5 cm. If the common tangent does not intersect the line joining the centres, then find the length of a common tangent to the circles.

(a)

6.0 cm

(b)

6.2 cm

(c)

6.1 cm

(d)

6.3 cm

Answer: (d)

20.

Find the value of the following expression.

$$\frac{(1 + \sec \theta)}{\sec \theta} (1 - \cos \theta)$$

(a)

 $\cos^2 \theta$

(b)

 $\sec^2 \theta$

(c)

 $\cot^2 \theta$

(d)

 $\sin^2 \theta$ **Answer: (d)**

21.

Study the given table and answer the question that follows.

The table shows the total score scored by 8 batsmen in the year 2022.

Batsman	A	B	C	D	E	F	G	H
Total Score	1356	1301	1278	1156	1380	1281	1129	1365

Who is the second-highest scorer in the year 2022?

(a)

E

(b)

B

(c)

A

(d)

H

Answer: (d)

23.

A shopkeeper marks his goods at 90% more than their cost price and allows a discount of 40% on the marked price. His gain percentage is:

(a)

18%

(b)

16%

(c)

14%

(d)

12%

Answer: (c)

24.

A sells a television to B for ₹4,860, thereby losing 19%. B sells it to C at a price which would have given A a 17% profit. Find the gain of B.

(a)

₹4,160

(b)

₹2,160

(c)

₹3,160

(d)

₹1,160

Answer: (b)

25.

A hemispherical dome of a building needs to be painted. If the circumference of the base of the dome is 154 cm, then find the cost of painting it if the cost of painting is ₹4 per 100 cm² (use $\pi = \frac{22}{7}$).

(a)

₹150.92

(b)

₹150.66

(c)

₹105.29

(d)

₹105.66

Answer: (a)

General Awareness

2.

The Golden Quadrilateral connects which of the following cities?

(a)

Jammu-Sikkim Gangtok-Bhubaneswar -Mumbai

(b)

Delhi-Kolkata-Mumbai-Chennai

(c)

Kashmir Srinagar-Surat-Chennai-Kolkata

(d)

Chandigarh-Kolkata-Mumbai-Goa Panaji

Answer: (b)

3.

Which of the following government schemes provides subsidised food grains to poor households in India?

(a)

Pradhan Mantri Kaushal Vikas Yojana

(b)

Pradhan Mantri Garib Kalyan Anna Yojana

(c)

Pradhan Mantri Jan Arogya Yojana

(d)

Atal Pension Yojana

Answer: (b)

4.

Who among the following boxers won the women's lightweight gold medal at the 2022 Commonwealth Games in Birmingham and received the BBC Emerging Player of the Year Award?

(a)

Nikhat Zareen

(b)

Lovlina Borgohain

(c)

Saweety Boora

(d)

Nitu Ghanghas

Answer: (d)



6.

Which of the following statements are correct about Directive Principles of State Policy of the Indian Constitution ?

- A) They are negative in nature.
- B) They have moral and political sanctions.
- C) They promote the welfare of the rich.
- D) They are positive in nature.

(a)

C and D

(b)

A and B

(c)

A and C

(d)

B and D

Answer: (d)

7.

Which of the following festivals is celebrated on the Makar Sankranti day in Assam?

(a)

Kati Bihu

(b)

Magh Bihu

(c)

Bohag Bihu

(d)

Raksha Bandhan

Answer: (b)

11.

Santoor is associated with whom among the following?

(a)

Pandit Shivkumar Sharma

(b)

Pandit Jasraj

(c)

Pandit Bhimsen Joshi

(d)

Hari prasad Chaurasia

Answer: (a)

12.

Which type of haploid unicellular eukaryote cells has a diameter of $\sim 10 \mu\text{m}$, and about half of their volume is occupied by cup-shaped chloroplasts?

(a)

Hydrodictyon

(b)

Ulva

(c)

Chlamydomonas

(d)

Oedogonium

Answer: (c)

14.

Which of these is NOT one of the reasons why the public sector played a dominant role in establishing the Industrial sector in India post-Independence?

(a)

Poor savings capacity of the public

(b)

To avoid generation of private profit

(c)

Absence of large enough market for output

(d)

Lack of adequate capital with private industrialists

Answer: (b)

15.

Saurashtra won the Vijay Hazare Trophy 2022 by defeating:

(a)

Karnataka

(b)

Delhi

(c)

Andhra

(d)

Maharashtra

Answer: (d)



16.

'The Deccan Sabha' was founded by which of the following nationalists?

(a)

Gopal Krishna Gokhale

(b)

Pherozeshah Mehta

(c)

Surendranath Banerjee

(d)

Dadabhai Naoroji

Answer: (a)

17.

Who among the following medieval rulers focused his attention on the construction of sarais (shelter) for the convenience of travellers?

(a)

Babur

(b)

Sher Shah Suri

(c)

Akbar

(d)

Humayun

Answer: (b)

18.

A diagonal relationship is found between which pair of the following elements?

(a)

Li and Mg

(b)

Be and B

(c)

Be and Mg

(d)

Na and Mg

Answer: (a)

19.

Which of the following is NOT included in 'Operating Surplus'?

(a)

Rent

(b)

Profit

(c)

Interest

(d)

Wages in cash

Answer: (d)

20.

The 2028 Olympic Games will take place in which city?

- (a)
Paris
- (b)
Tokyo
- (c)
Los Angeles
- (d)
Amsterdam

Answer: (c)

21.

Who among the following personalities won the Sangeet Natak Akademi Award 2021 for their contribution to the 'Chhau' dance?

- (a)
Bijay Kumar Jena
- (b)
Rabindra Atibudhi
- (c)
Bhuvan Kumar
- (d)
Trilochan Mohanta

Answer: (c)



22.

Which of the following is NOT a monetary policy instrument of RBI?

- (a)
Government Spending
- (b)
Bank Rate
- (c)
Open Market Operations
- (d)
Cash Reserve Ratio

Answer: (a)

23.

Which of the following is NOT a component of investment?

- (a) Addition to residential construction
- (b) Money spent on purchasing shares of a company
- (c) Machinery and equipment employed by a firm
- (d) Inventories of raw materials stocked by a firm

Answer: (b)

24.

Which of the following places in India experiences the lowest temperature?

- (a) Jaisalmer
- (b) Leh
- (c) Munnar
- (d) Bundelkhand

Answer: (b)

25.

What is the name of the 87th element on the periodic table that has no known biological role because it has a half-life of only 22 minutes?

- (a) Meitnerium
- (b) Dubnium
- (c) Seaborgium
- (d) Francium

Answer: (d)



Answer key

Answer key as marked in the Staff Selection Commission's response sheet. "—" means the sheet did not show it clearly.

English Language

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

General Intelligence

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

Quantitative Aptitude

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

General Awareness

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