

PREVIOUS YEAR PAPER

SSC CHSL 2023 Tier I — 11 August 2023, Shift 4

SSC CHSL · 11 August 2023 · 5:15 PM - 6:15 PM

83 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: 17 (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 11 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-1-11-aug-shift-4/

English Language

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

The shareholders are planning to _____ control of the company from the current directors.

- (a) roost
- (b) roast
- (c) wrest
- (d) rest

Answer: (c)

2. Identify the INCORRECTLY spelt word in the following sentence. Research has proved that meteors have largely destructed and impactted earth

- (a) impactted
- (b) Research
- (c) proved
- (d) destructed

Answer: (a)

3. Select the most appropriate option that can substitute the underlined words in the given sentence.

No less than eight pedestrians were killed in the accident.

- (a) No few than
- (b) None less than
- (c) No fewer than
- (d) No lesser than

Answer: (c)

4. Select the most appropriate ANTONYM of the given word from the following sentence. Leisure
He was relaxing and enjoying last week in Spain but now he is working hard for the firm.

- (a) enjoying
- (b) working
- (c) relaxing
- (d) hard

Answer: (b)

6. The following sentence has been divided into parts. One of them may contain an error. Select the part that contains the error from the given options. If you don't find any error, mark 'No error' as your answer. He speaks pleasantly / with her yesterday / evening but not today.

- (a) He speaks pleasantly
- (b) with her yesterday
- (c) No error
- (d) evening but not today.

Answer: (a)

7. Given below are four jumbled sentences. Select the option that gives their correct logical sequence.

- A) The young lion tore through the formation and decimated the enemy lines.
- B) The enemy soldiers panicked and started killing each other.
- C) It is said that he used a weapon with a hallucinating agent that created a chimera of hundreds of Abhimanyus.
- D) Seeing the rout they were facing, young Abhimanyu led a powerful counterattack.

- (a) CDAB
- (b) DACB
- (c) ACBD
- (d) ABCD

Answer: (b)

8. Select the option that can be used as a one-word substitute for the given group of words.

A person who does not believe in the existence of God.

- (a) Atheist
- (b) Priest
- (c) Theist
- (d) Satan

Answer: (a)

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

Though Ravi is silent and reserved, he has got a finger in every pie.

- (a) special interest in certain things
- (b) involved in many things
- (c) an opinion of his own
- (d) a cold attitude toward everything

Answer: (b)

11. Select the option with the correct spellings to replace the underlined words in the given sentence. He exhibitad his senseles behaviour at that conference.

- (a) exhibited; sanseless
- (b) exhibited; senseless
- (c) exhibited; senseless
- (d) exhebited; sanseless

Answer: (b)

12. Select the most appropriate synonym of the underlined word in the given sentence. She became frantic as she lost her purse on the busy streets of the markets.

- (a) Hectic
- (b) Composed
- (c) Audacious
- (d) Agitated

Answer: (d)

13. Select the most appropriate option that can substitute the underlined words in the given sentence.

How do you think the internet has influenced how we utilise news and media?

- (a) has managed the patterns we ingest
- (b) has revoked the way we interact
- (c) has maintained how we receive
- (d) has impacted the way we consume

Answer: (d)

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

- (P) and the challenges faced in its
- (Q) the report discusses
- (R) the state of renewable energy
- (S) implementation along with potential solutions

- (a) QSRP
- (b) QRPS
- (c) RQPS
- (d) PQRS

Answer: (b)

16. Select the most appropriate synonym of the given word.

Indispensable

- (a) Destructive
- (b) Imperative
- (c) Drastic
- (d) Invariable

Answer: (b)

17. Select the most appropriate synonym of the given word. Soothe

- (a) Move
- (b) Pacify
- (c) Instigate
- (d) Escalate

Answer: (b)

18. Select the most appropriate option that can substitute the underlined words in the given sentence.

After he let the cat out of the bag about the surprise party, it was no longer a secret.

- (a) murmur in the ears
- (b) reveal a confidential information
- (c) show off to his friends
- (d) take the gifts and brag

Answer: (b)

19. Select the most appropriate synonym of the given word. Fervour

- (a) Apathy
- (b) Hatred
- (c) Enthusiasm
- (d) Disgust

Answer: (c)

20. Select the most appropriate option that can substitute the underlined segment in the given sentence. He tends to put off doing his work until the last minute, leaving important tasks unfinished and causing himself unnecessary stress.

- (a) decline
- (b) adjourn
- (c) procrastinate
- (d) dwindle

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. If there was such a thing as perfect food, eggs would be a _____ (1) _____. They are readily available, easy to cook, affordable and packed _____ (2) _____ protein. An egg is meant to be something that has all the right ingredients to grow an organism, so obviously, it is very nutrient-dense. Eating eggs alongside other food can _____ (3) _____ our bodies absorb more vitamins too. For example, one study found that adding an egg to a salad can increase how much vitamin E we get from the salad. But for decades, eating eggs has also been controversial due to their _____ (4) _____ cholesterol content—which some studies have linked to an increased risk of heart disease. Cholesterol, a yellowish fat produced in our liver and intestines, can be found in every one of our body's cells. We _____ (5) _____ think of it as 'bad'. But cholesterol is a crucial building block in our cell membranes. It also is needed for the body to make vitamin D and the hormones testosterone and oestrogen.

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

- (a) contender
- (b) compete
- (c) contend
- (d) quickly

Answer: (a)

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

- (a) for
- (b) with
- (c) on
- (d) at

Answer: (b)

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

- (a) interrogate
- (b) abate
- (c) questioned
- (d) help

Answer: (d)

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

- (a) low
- (b) medium
- (c) ideal
- (d) high

Answer: (d)

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

- (a) normally
- (b) remotely
- (c) excitedly
- (d) intermittently

Answer: (a)

General Intelligence

1.

H is the father of M. M is the brother of C. C is the daughter of I and married to F. D is the daughter of C. Z is the daughter of M.

How is H related to I?

- (a) Husband
- (b) Sister
- (c) Brother
- (d) Son

Answer: (a)

2.

Select the number from among the given options that can replace the question mark (?) in the following series.

183, 173, 153, 123, 83, ?

- (a) 43
- (b) 33
- (c) 23
- (d) 53

Answer: (b)

3.

Which letter-cluster should come in place of ? in the given series based on the English alphabetical order?

HTD, DPZ, ?, VHR, RDN

(a)

ZLX

(b)

XMW

(c)

ZLV

(d)

YMV

Answer: (c)

4.

In a certain code language, 'WASTE' is coded as '60' and 'BRANDED' is coded as '84'. What is the code for 'CEILINGFANS' in the given code language?

(a)

128

(b)

132

(c)

120

(d)

148

Answer: (b)

5.

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?

31 C 48 B 7 D 322 A 23 = ?

(a)

349

(b)

351

(c)

353

(d)

359

Answer: (c)

6.

Select the option in which the letter-clusters share the same relationship as that shared by the given pair of letter-clusters.

EAT : IEX

TGX : XKB

(a)

NBP : RXT

(b)

QMF : UQJ

(c)

MIB : RMF

(d)

JKM : NPI

Answer: (b)

7.

Select the number from among the given options that can replace the question mark (?) in the following series.

71, 74, 72, 75, 73, 76, ?

(a)

75

(b)

74

(c)

77

(d)

78

Answer: (b)

8.

Based on the alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which of the following does NOT belong to that group?

(a)

KMQ

(b)

BDH

(c)

YAE

(d)

JLN

Answer: (d)

9.

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

_QRS_QRSPQ_SPQ_S

(a)

PPRR

(b)

PQRS

(c)

PPQQ

(d)

RRSQ

Answer: (a)

10.

If 19 June 2001 is Tuesday, then what will be the day of the week on 14 August 2007?

(a)

Sunday

(b)

Monday

(c)

Tuesday

(d)

Friday

Answer: (c)

11.

OLFE is related to NKED in a certain way based on the English alphabetical order. In the same way, VHNS is related to UGMR. To which of the following is XBOP related following the same logic?

(a)

YDRT

(b)

YCPQ

(c)

WANO

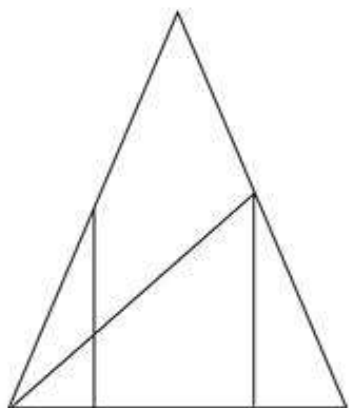
(d)

WCNQ

Answer: (c)

12.

How many triangles are there in the given figure?



(a)

10

(b)

9

(c)

8

(d)

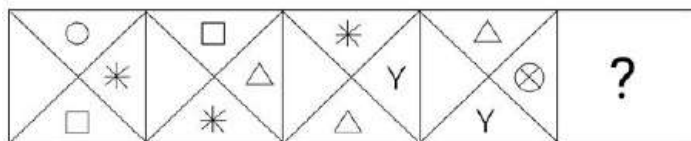
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Answer: (d)

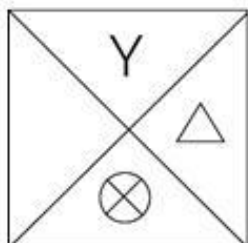


13.

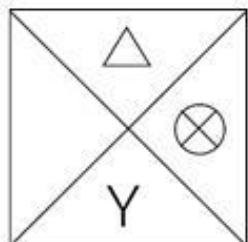
Identify the figure given in the options which when put in place of the question mark (?) will logically complete the series.



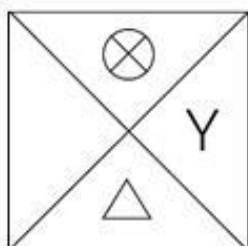
(a)



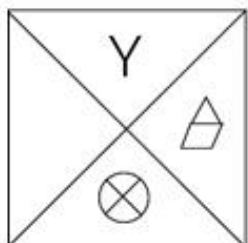
(b)



(c)



(d)

**Answer: (d)**

14.

In a certain code language, 'DARK' is coded as '3501' and 'READ' is coded as '1037'. What is the code for 'K' in the given code language?

(a)

1

(b)

0

(c)

5

(d)

3

Answer: (c)

15.

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?

11 B 145 A 29 C 69 D 17 = ?

(a)

107

(b)

109

(c)

101

(d)

111

Answer: (a)

16.

The position of how many letters will remain unchanged if each of the letters in the word KINGDOM is arranged in alphabetical order?

(a)

Three

(b)

None

(c)

One

(d)

Two

Answer: (b)

17.

Select the option in which the numbers do NOT 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.)

32 : 65 and 35 : 71

(a)

21 : 43

(b)

46 : 93

(c)

17 : 35

(d)

30 : 59

Answer: (d)

18.

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:

All Indians are Americans.
Some Chinese are Americans.
All Chinese are Russians.

Conclusions:

(I) Some Chinese are Indians is a possibility.
(II) No Russian is an Indian.
(III) Some Americans are Russians.

(a)

Both conclusions I and II follow

(b)

Only conclusion III follows

(c)

Both conclusions I and III follow

(d)

Only conclusion I follows

Answer: (c)

20.

In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the option in which the numbers are related in the same way as are the numbers of the following pairs.

(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.)

16, 99

13, 81

(a)

9, 57

(b)

8, 42

(c)

11, 74

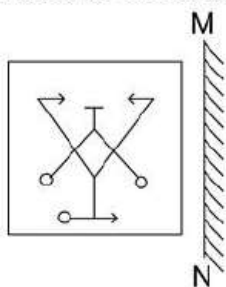
(d)

17, 115

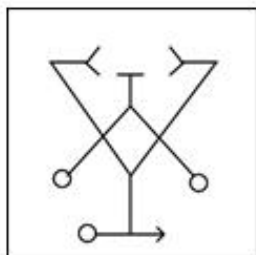
Answer: (a)

21.

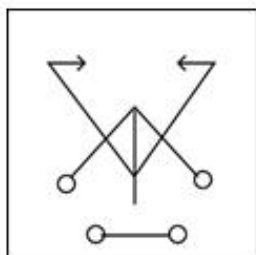
Select the correct mirror image of the given figure when the mirror is placed at MN as shown.



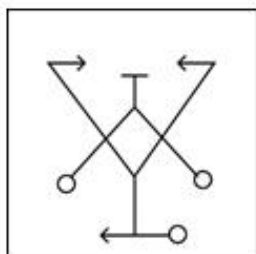
(a)



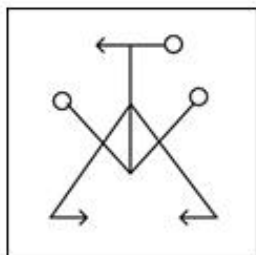
(b)



(c)



(d)



Answer: (c)



22.

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



(a)

275E8y

(b)

yRE527

(c)

755E8y

(d)

yRE275

Answer: (b)

23.

R is the father of P, P is the sister of Q, Q is the grandson of T, S is the only child of M, M is married to T. R is married to S. How is S related to P?

(a)

Sister

(b)

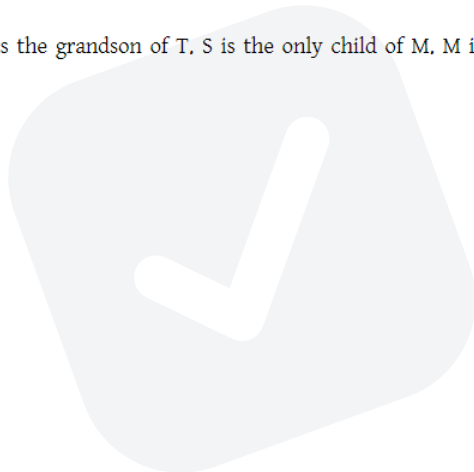
Daughter

(c)

Mother's mother

(d)

Mother

Answer: (d)

24.

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?

- (1) 4 – 27
- (2) 6 – 125
- (3) 7 – 216
- (4) 5 – 63

(a)

1

(b)

2

(c)

4

(d)

3

Answer: (c)

25.

Select the word-pair that does NOT represent a similar relationship to the one expressed in the pair of words given below.

(The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word.)

Astonishing : Incredible

(a)

Clarify : Elaborate

(b)

Descend : Ascend

(c)

Stop : Terminate

(d)

Brave : Fearless**Answer: (b)**

Quantitative Aptitude

1.

If $\sin\theta + \tan\theta = p$ and $\tan\theta - \sin\theta = q$, then which of the relation satisfies for given values of p and q ?

(a)

$$p^2 - q^2 = 4\sqrt{pq}$$

(b)

$$p^2 - q^2 = 8\sqrt{pq}$$

(c)

$$p^2 + q^2 = 4\sqrt{pq}$$

(d)

$$p^2 + q^2 = 4pq$$

Answer: (a)

2.

A fruit seller buys 480 bananas for ₹1,200. Some of these bananas are rotten and hence, they are thrown away. He sells the remaining bananas at ₹3.5 each and makes a profit of ₹396. What is the percentage of bananas thrown away?

(a)

6%

(b)

4.5%

(c)

5%

(d)

4%

Answer: (c)



3.

On an item having a marked price of ₹500, Ravi was offered successive discounts of 36% and 5%, respectively, while Prabhat was offered a single discount of 40%. Who paid more for the item and by how much?

(a)

Ravi, ₹4

(b)

Prabhat, ₹5

(c)

Ravi, ₹5

(d)

Prabhat, ₹4

Answer: (a)

4.

If θ is an acute angle and $\sin\theta = \frac{21}{25}$, then what is the value of $\tan\theta$?

(a)

$$\frac{2\sqrt{46}}{21}$$

(b)

$$\frac{25}{2\sqrt{46}}$$

(c)

$$\frac{21}{2\sqrt{46}}$$

(d)

$$\frac{2\sqrt{46}}{25}$$

Answer: (c)

6.

Simplify the given expression.

$$\frac{3(\sin^4 Z - \cos^4 Z + 1)}{\sin^2 Z}$$

(a)

9

(b)

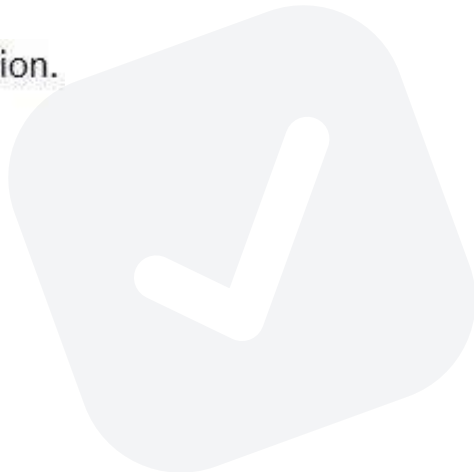
2

(c)

4

(d)

6

Answer: (d)

7.

The remainder of the term $9 + 9^2 + \dots + 9^{(2n+1)}$ when divided by 6 is:

(a)

1

(b)

4

(c)

2

(d)

3

Answer: (d)

8.

If $a - b = 9$ and $ab = 20$, then $a^2 + b^2$:

(a)

111

(b)

115

(c)

121

(d)

118

Answer: (c)

9.

A metallic sphere of radius 21 cm is melted and then recast into smaller cones each with a radius of 7 cm, and a height of 3 cm. Find the number of cones obtained.

(a)

225

(b)

325

(c)

522

(d)

252

Answer: (d)

10.

An item was sold at ₹5,474 after two successive discounts of 12.5% and 8% were offered on its Marked Price. What was the Marked Price (in ₹) of the item?

(a)

6,750

(b)

7,000

(c)

6,800

(d)

6,600

Answer: (c)

11.

Two jars A and B are containing the solutions of two liquids P and Q. The ratio of the liquids P and Q in the jars A and B are 2 : 19 and 1 : 11, respectively. If 7 litres of the solution of jar A and 4 litres of the solution of jar B are mixed, what is the ratio of the solutions P and Q in the new mixture?

(a)

10 : 1

(b)

1 : 9

(c)

9 : 1

(d)

1 : 10

Answer: (d)

13.

If $x + \frac{1}{x} = 2$, then the value of $x^{11} + \frac{1}{x^{20}}$ is:

(a)

0

(b)

1

(c)

2

(d)

7

Answer: (c)

14.

The data given in the table shows the number of boys and girls enrolled for different games in an academy over 5 years.

years	Basketball		Football		Cricket	
	Boys	Girls	Boys	Girls	Boys	Girls
2018	46	34	42	37	45	35
2019	40	41	44	38	42	32
2020	43	40	40	32	44	38
2021	37	44	43	25	34	28
2022	34	41	41	32	41	39

Which game has the maximum enrollment and during which year?

(a)

Cricket in 2020

(b)

Basketball in 2019

(c)

Football in 2019

(d)

Basketball in 2020

Answer: (d)

19.

If $ax + by = 1$ and $bx + ay = \frac{2ab}{a^2+b^2}$, then the value of x (in terms of a and b) is:

(a)

$$\frac{2b}{a^2+b^2}$$

(b)

$$\frac{a}{a^2+b^2}$$

(c)

$$\frac{b}{a^2+b^2}$$

(d)

$$\frac{2a}{a^2+b^2}$$

Answer: (b)

20.

After allowing a discount of 12.5% on the marked price, an article is sold for ₹2,625. Find its marked price.

(a)

₹2,975

(b)

₹2,900

(c)

₹2,950

(d)

₹3,000

Answer: (d)

21.

If 18 mechanics can repair 90 cars in 10 days, how many mechanics will be required to repair 150 cars in 12 days?

(a)

25

(b)

30

(c)

20

(d)

27

Answer: (a)

23.

Savitha and Parnika decided to run a 2250 m long race on a track as long as the length of the race. But Savitha gave Parnika a 396 m head start and also allowed her to start 9 seconds before Savitha started running. Parnika ran at 6 m per second and Savitha caught up with Parnika 250 seconds after Savitha started running. What was Savitha's speed (in m/s) during the race?

(a)

7.2

(b)

7.8

(c)

8

(d)

7.5

Answer: (b)

24.

Two circles with centres A and B touch each externally, PQ is a direct common tangent which touches the circle at P and Q. If the radii of the circles 9 cm and 4 cm, respectively, then the length of PQ (in cm) is equal to:

- (a)
5
- (b)
13
- (c)
6.5
- (d)
12

Answer: (d)

General Awareness

2.

Which of the following Provisions of the Indian Constitution is taken from the US Constitution?

- (a)
Post of vice president
- (b)
Fundamental duties
- (c)
Procedure for amendment of constitution
- (d)
Bicameralism

Answer: (a)

3.

In October 2022, Harmanpreet Singh, who was honoured with the Player of the Year award is related to _____.

- (a)
hockey
- (b)
badminton
- (c)
cricket
- (d)
football

Answer: (a)

4.

What is the nominal GDP if the real GDP is 500 and price index is 150?

- (a)
650
- (b)
450
- (c)
750
- (d)
350

Answer: (c)

5.

How many digits does the MMID code of any commercial bank have?

- (a)
7
- (b)
10
- (c)
12
- (d)
8

Answer: (a)

6.

What are the events in power lifting?

- (a)
Squats, bench press and dead lift
- (b)
Squats, lat pull down and curl
- (c)
Curls, bench press and squat
- (d)
Curls, over arm lift and dead lift

Answer: (a)



7.

Identify the correct match.

A) Pension to retired government employees - Revenue Receipt

B) Purchase of Machinery in Railways – Capital Expenditure

(a)

Both A and B

(b)

Only A

(c)

Neither A nor B

(d)

Only B

Answer: (d)

8.

The IUPAC name of an element is Unnilennium. What is the symbol of the element?

(a)

Une

(b)

Unl

(c)

Unm

(d)

Unu

Answer: (a)

9.

By what name did Vinayak Savarkar form a secret organization of revolutionaries in the year 1904?

(a)

Hinduastan Republic Association

(b)

Naujawan Bharat Sabha

(c)

Abhinav Bharat

(d)

Forward Bloc

Answer: (c)

10.

Which of the following has Kharif crops only?

(a)

Maize and peas

(b)

Barley and gram

(c)

Cotton and paddy

(d)

Paddy and mustard

Answer: (c)

13.

Mopin is an agricultural festival celebrated in the state of _____.

(a)

Bihar

(b)

Arunachal Pradesh

(c)

West Bengal

(d)

Himachal Pradesh

Answer: (b)



15.

The minimum distance of distinct vision for a young adult person with no defect in eyes is:

(a)

20 m

(b)

25 cm

(c)

20 cm

(d)

25 m

Answer: (b)

16.

Nati is the folk dance of which of the following Indian states?

(a)

Jharkhand

(b)

Arunachal Pradesh

(c)

Gujarat

(d)

Himachal Pradesh

Answer: (d)

17.

Which of the following classification bases of industry applies to the products – cotton, jute, wool, silk textile, rubber, tea, sugar, coffee, edible oil?

(a)

Key industries

(b)

Consumer industries

(c)

Agro based industries

(d)

Mineral based industries

Answer: (c)



18.

In the 1930s, which of the following theories was propounded by Arthur Holmes about the mantle?

(a)

Theory of Faunal Succession

(b)

Slab Pull Theory

(c)

Convectional Current Theory

(d)

Theory of Faulting

Answer: (c)

19.

Who composed 'Shahnama'?

- (a) Abdulla
- (b) Alberuni
- (c) Ferdowsi
- (d) Utbi

Answer: (c)

20.

Manju Bargavee was awarded the Sangeet Natak Akademi Award 2019 for her contribution to which Indian classical dance?

- (a) Kathak
- (b) Bharatanatyam
- (c) Kuchipudi
- (d) Mohiniyattam

Answer: (c)



22.

X has been exercising his freedom of trade in Chennai to earn for his livelihood.

Such kind of freedom is provided in which of the following Articles of the Indian Constitution?

- (a) Article 18
- (b) Article 19
- (c) Article 17
- (d) Article 16

Answer: (b)

23.

Rabindra Sangeet is associated with:

(a)

Rabi

(b)

Ravindra Jain

(c)

Rabindranath Tagore

(d)

Ravi Shankar

Answer: (c)

24.

Which of these is one of the seven priorities adopted in the Union Budget for the fiscal year 2023-24?

(a)

Gender equality

(b)

Zero poverty

(c)

Inclusive development

(d)

Zero hunger

Answer: (c)

25. which of the following nutrients is available mainly in apples?

(a)

Co

(b)

Na

(c)

K

(d)

S

Answer: (c)

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

General Intelligence

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

Quantitative Aptitude

1	(a)	2	(c)	3	(a)	4	(c)	6	(d)	7	(d)	8	(c)	9	(d)
10	(c)	11	(d)	13	(c)	14	(d)	19	(b)	20	(d)	21	(a)	23	(b)
24	(d)														

General Awareness

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