

PREVIOUS YEAR PAPER

SSC CHSL 2023 Tier I — 17 August 2023, Shift 4

SSC CHSL · 17 August 2023 · 5:15 PM - 6:15 PM

85 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: 15 (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 17 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-1-17-aug-shift-4/

English Language

1. Select the most appropriate synonym of the given word. Dynamic

- (a) Famous
- (b) Halt
- (c) Innate
- (d) Energetic

Answer: (d)

2. Choose the correct meaning of the underlined word in the given sentence. The museum's archive is a great place to find valuable artifacts such as ancient manuscripts.

- (a) A collection of essays
- (b) A room to store lots of books
- (c) A room to store important official document
- (d) A collection of historical documents

Answer: (d)

3. Select the most appropriate ANTONYM of the given word.

Guile

- (a) Deceit
- (b) Treachery
- (c) Honesty
- (d) Tarseness

Answer: (c)

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

Ants _____ food during the summer and save it for winter.

- (a) horde
- (b) hoard
- (c) heard
- (d) herd

Answer: (b)

5. 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.

A owl was / hooting throughout / the night.

- (a) A owl was
- (b) the night
- (c) No error
- (d) hooting throughout

Answer: (a)

6. Select the option that can be used as a one-word substitute for the given group of words. One who studies the evolution of mankind

- (a) Anarchist
- (b) Amateur
- (c) Anthropologist
- (d) Antagonist

Answer: (c)

7. Select the most appropriate ANTONYM for 'redeem' in the given sentence.

Shantanu violated the rules of the college when he started screaming and shouting in the premises.

- (a) Screaming
- (b) Violated
- (c) Premises
- (d) Shouting

Answer: (b)

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

Something to be easily carried or moved

- (a) Robust
- (b) Stagnant
- (c) Portable
- (d) Fragile

Answer: (c)

9. Select the option that can be used as a one-word substitute for the given group of words. An imagined place or state of things in which everything is perfect

- (a) Dwarf
- (b) Utopia
- (c) Chronology
- (d) Octogenarian

Answer: (b)

10. Select the option that can be used as a one-word substitute for the given group of words. Poor physical or mental condition.

- (a) Ill nature
- (b) Illicit
- (c) Ill-fated
- (d) Ill health

Answer: (d)

11. The following sentence has been split into four segments. Identify the segment that contains a grammatical error. They were laid / in the sun / the entire morning / till Sudharshan came.

- (a) till Sudharshan came
- (b) They were laid
- (c) the entire morning
- (d) in the sun

Answer: (b)

12. Select the correct spelling of the underlined word in the given sentence. The feeling of weightlessness while skydiving is known to exilarete many people.

- (a) exilairate
- (b) exhilarete
- (c) exilarate
- (d) exhilarate

Answer: (d)

13. Select the option that expresses the given sentence in active voice. I was never supported by my family.

- (a) My family have never supported me.
- (b) My family had never supported me.
- (c) My family never supported me.
- (d) My family never supports me.

Answer: (c)

14. The following sentence has been split into four segments. Identify the segment that contains a spelling error.

The famous author / clearly mentioned / all the names of his friends / in the acknolledgments of the book.

- (a) in the acknolledgments of the book
- (b) The famous author
- (c) clearly mentioned
- (d) all the names of his friends

Answer: (a)

15. Select the most appropriate ANTONYM of the given word.

Mean

- (a) Minute
- (b) Noble
- (c) Notorious
- (d) Novel

Answer: (b)

16. Select the most appropriate idiom for the underlined segment in the following sentence.

Nitish's promotion is due.

- (a) On the cards
- (b) Not worth his salt
- (c) With due respect
- (d) Done to death

Answer: (a)

17. Parts of a sentence are given below in jumbled order. Select the option that arranges the parts in the correct order to form a meaningful sentence.

- A) in social evolution by imitation
- B) by reason of its higher standard of living
- C) the royal style is the agent
- D) and cultural patterns are similarly transmitted by ' dominant caste

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

Answer: (b)

19. Select the most appropriate meaning of the given idiom. Costs an arm and a leg

- (a) To be affordable
- (b) To be moderately priced
- (c) To be free of charge
- (d) To be very expensive

Answer: (d)

20. Select the most appropriate option to fill in the blank. The _____ of the company's CEO was widely praised for her innovative leadership.

- (a) rein
- (b) rayne
- (c) rain
- (d) reign

Answer: (d)

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. Globalisation is not a new 1_____. Traders travelled vast distances in ancient times to buy commodities that were 2_____ and expensive for sale in their homelands. The Industrial Revolution brought 3_____ in transportation and communication in the 19th century that eased trade across borders. The think tank, Peterson Institute for International Economics (PIIE), states globalisation 4_____ after World War I and nations moved toward 5_____ as they launched import taxes to more closely guard their industries in the aftermath of the conflict.

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

- (a) power
- (b) variation
- (c) design
- (d) concept

Answer: (d)

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

- (a) plentiful
- (b) common
- (c) preserved
- (d) rare

Answer: (d)

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

- (a) chaos
- (b) advances
- (c) issues
- (d) a decline

Answer: (b)

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

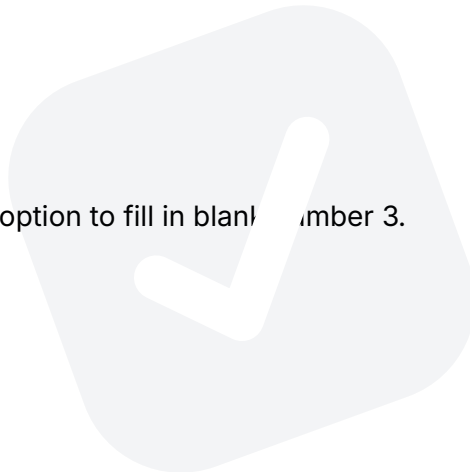
- (a) trooped
- (b) soared
- (c) de-escalated
- (d) stalled

Answer: (d)

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

- (a) protectionism
- (b) integration
- (c) liberalisation
- (d) diversification

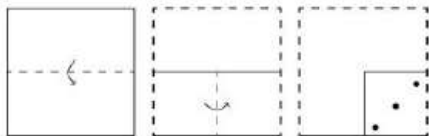
Answer: (a)



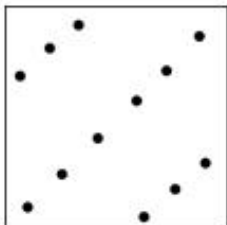
General Intelligence

1.

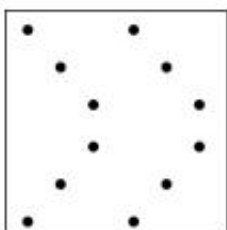
A square sheet of paper is folded along the dotted line successively along the directions shown and is then punched in the end. How would the paper look when unfolded?



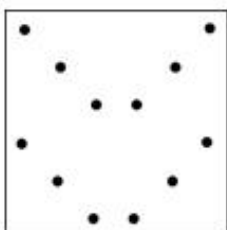
(a)



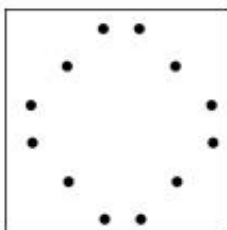
(b)



(c)



(d)



Answer: (d)



2.

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 houses are trees.
All flowers are houses.
No vegetable is a flower.

Conclusions:

(I) Some vegetables are houses is a possibility.
(II) Some flowers are trees is a possibility.
(III) No vegetable is a house.

(a)

Both conclusions II and III follow

(b)

Only conclusion II follows

(c)

Both conclusions I and II follow

(d)

Only conclusion III follows

Answer: (c)

3.

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?

$$4 B 18 D 5 C 9 A 9 = ?$$

(a)

88

(b)

58

(c)

78

(d)

68

Answer: (d)

4.

What will come in the place of '?' in the following equation, if '+' and '-' are interchanged with '×' and '÷', respectively?

$$88 + 8 - 17 \times 16 \div 40 = ?$$

(a)

203

(b)

197

(c)

200

(d)

211

Answer: (d)

5.

In a certain code language, 'BALD' is coded as '7680' and 'DRAB' is coded as '8097'. What is the code for 'L' in the given code language?

(a)

8

(b)

6

(c)

0

(d)

7

Answer: (b)

6.

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

A _ DE FGI _ _ LNO PQ _ T UV _ Y

(a)

CJKSX

(b)

CJKRW

(c)

BJKRW

(d)

BJKSX

Answer: (d)

7.

Select the word-pair that best represents 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/consonants/vowels in the word.)

Heat : Cold

(a)

Encourage : Motivate

(b)

Compete : Success

(c)

Sustain : Persist

(d)

Demolish : Build

Answer: (d)

9.

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?

(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)

2 – 6

(b)

4 – 20

(c)

5 – 30

(d)

8 – 75

Answer: (d)

10.

In a certain code language, 'QUEZAL' is coded as '82' and 'LUCKY' is coded as '72'. What is the code for 'ADVERSE' in the given code language?

(a)

68

(b)

78

(c)

74

(d)

62

Answer: (c)

11.

GIEK is related to OQMS in a certain way based on the English alphabetical order. In the same way, KMIO is related to SUQW. To which of the following is EGCI related to, following the same logic?

(a)

MQOK

(b)

MOKQ

(c)

PRNT

(d)

UWSY

Answer: (b)

12.

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

(a)

5 : 20

(b)

4 : 12

(c)

7 : 42

(d)

6 : 36

Answer: (d)

13.

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)

WZB

(b)

UWX

(c)

ORT

(d)

GJL

Answer: (b)

14.

In a certain code language,

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

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

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

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

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

(a)

Brother

(b)

Mother's brother

(c)

Father

(d)

Father's brother

Answer: (a)

15.

If 9 July 1978 is Sunday, then what will be the day of the week on 19 September 1983?

(a)

Monday

(b)

Friday

(c)

Tuesday

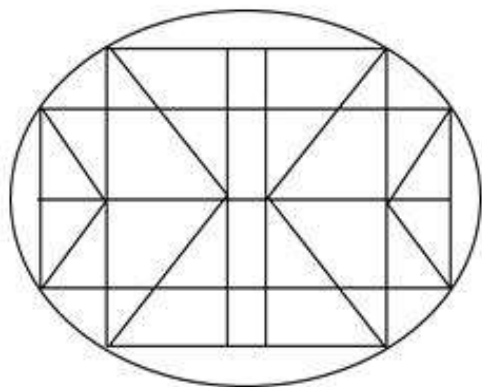
(d)

Sunday

Answer: (a)

16.

How many triangles are there in the given figure?



(a)

24

(b)

28

(c)

22

(d)

30

Answer: (b)

17.

N is the brother of X. X is the wife of M. S is the daughter of M. K is the brother of S. P is the mother of N. How is K related to P?

(a)

Son's Son

(b)

Daughter's son

(c)

Mother's brother

(d)

Sister's Son

Answer: (b)

18.

What should come in place of X in the given series?

23 31 47 71 103 X

(a)

153

(b)

147

(c)

150

(d)

143

Answer: (d)

19.

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

136, 135, 137, 136, 138, 137, ?

(a)

136

(b)

140

(c)

138

(d)

139

Answer: (d)

20.

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 / 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.)

(15, 96)

(35, 216)

(a)

(41, 250)

(b)

(18, 102)

(c)

(29, 180)

(d)

(21, 122)

Answer: (c)

21.

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

(a)

Three

(b)

Four

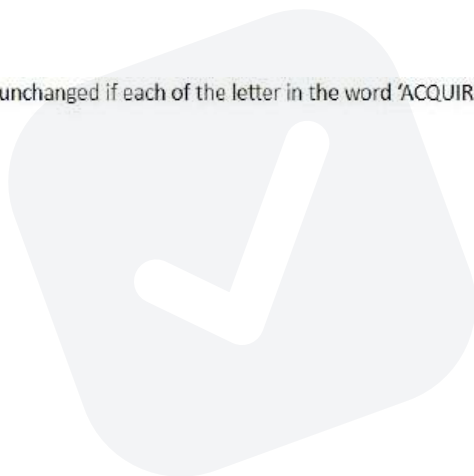
(c)

Two

(d)

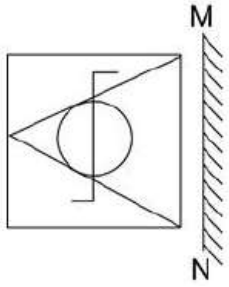
One

Answer: (a)

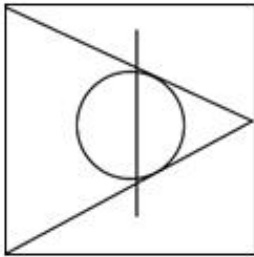


22.

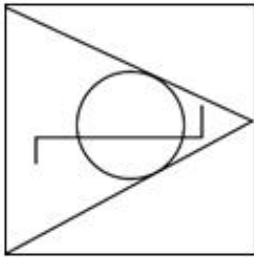
Select the correct mirror image of the given figure when the mirror is placed at MN as shown.



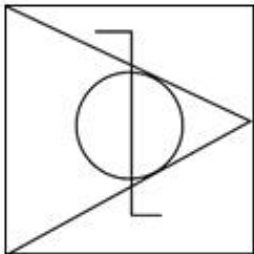
(a)



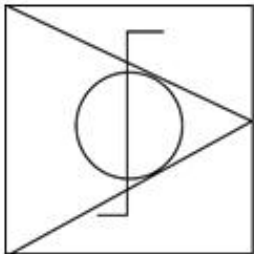
(b)



(c)



(d)



Answer: (c)



23.

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

A_CD_CDAC_AB_ABC

(a)

AACD

(b)

AABB

(c)

BBDD

(d)

BDBD

Answer: (c)

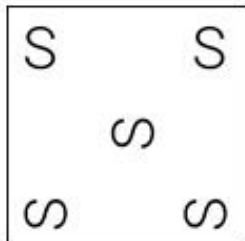


24.

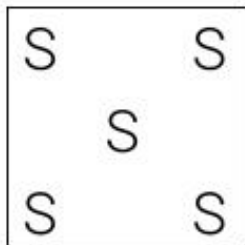
Identify the figure given in the options which when put in place of the question mark (?) will logically complete the series.

∞ ∞	∞ ∞	S ∞	S S	?
∞ ∞	∞ S	∞ S	∞ S	
∞ ∞	∞ ∞	∞ ∞	∞ ∞	

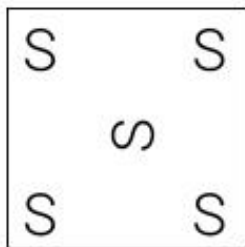
(a)



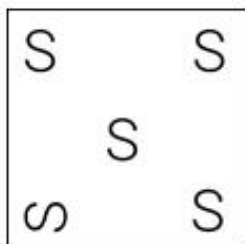
(b)



(c)



(d)

**Answer: (d)**

Quantitative Aptitude

1.

Directions: The table below shows the laptop sold on different days by different wholesalers. Study the table and answer the questions that follow.

	Monday	Tuesday	Wednesday	Thursday	Friday
Wholesaler 1	22	20	14	24	10
Wholesaler 2	46	45	06	14	8
Wholesaler 3	18	40	07	15	19
Wholesaler 4	23	30	32	06	26

Laptop sold by wholesaler 1 and wholesaler 2 together on Thursday is what per cent of laptop sold by wholesaler 3 on Friday?

(a)

200%

(b)

150%

(c)

100%

(d)

50%

Answer: (a)

3.

Find the value of $\tan(50+\theta) - \cot(40-\theta)$.

(a)

 $\frac{1}{2}$

(b)

-1

(c)

0

(d)

1

Answer: (c)

5.

A rod of 5 cm radius and 52 cm length is converted into a wire of 100 cm length of uniform thickness. The radius of the wire (in cm) is:

(a)

$\sqrt{13}$

(b)

$\sqrt{15}$

(c)

$\sqrt{23}$

(d)

$\sqrt{17}$

Answer: (a)

6.

If $(y^2 + \frac{1}{y^2}) = 74$ and $y > 1$, find the value of $(y - \frac{1}{y})$.

(a)

$6\sqrt{2}$

(b)

$-2\sqrt{19}$

(c)

$2\sqrt{19}$

(d)

$-6\sqrt{2}$

Answer: (a)

7.

If a sum of money at simple interest becomes 45 times in 110 years, then in how many years will that sum become 23 times?

(a)

48

(b)

60

(c)

55

(d)

50

Answer: (c)

8.

Two trains 320 m and 205 m in length are running towards each other on parallel lines. One train runs at the rate of 70 kmph and the other train runs at the rate of 56 kmph. Find the time they will take to cross each other (in seconds).

- (a)
10
- (b)
20
- (c)
12
- (d)
15

Answer: (d)

9.

A can complete a task in the same time in which B and C work together. If A and B could complete it jointly in 10 days and C alone in 50 days, then B could complete it independently in:

- (a)
26 days
- (b)
27 days
- (c)
25 days
- (d)
23 days

Answer: (c)

10.

What is the value of $(1 - \sin^2 A) \operatorname{cosec}^2 A$?
Given A is an acute angle.

- (a)
 $\cot^2 A$
- (b)
 $\cos^2 A$
- (c)
 $\tan^2 A$
- (d)
 $\sin^2 A$

Answer: (a)

11.

If $3x - 2y = 3$ and $xy = 9$, then find the value of $3x + 2y$.

- (a)
16
- (b)
13
- (c)
14
- (d)
15

Answer: (d)

12.

Study the table given below and answer the question that follows.

The table below shows the total number of students studying different subjects in a college and the percentage of boys and girls.

Subject	Number of Students	Percentage of Girls	Percentage of Boys
Hindi	110	60	40
English	70	50	50
Physics	50	30	70
Chemistry	40	80	20
Mathematics	80	20	80
Computers	90	40	60

What is the ratio of the total number of girls in all the subjects to that of boys in all the subjects?

- (a)
5 : 6
- (b)
7 : 9
- (c)
6 : 7
- (d)
2 : 3

Answer: (a)

13.

Simplify the following:

$$18 \times [24 \div 70 \times \{25 \times 49 \div (5 \times 7)\}]$$

(a)

218

(b)

216

(c)

215

(d)

220

Answer: (b)

14.

A 40-litre mixture of milk and water contains milk and water in the ratio of 7 : 3. How many litres of water should be added to the mixture so that the resulting mixture has 60% of water in it?

(a)

30

(b)

35

(c)

20

(d)

25

Answer: (a)

16.

The compound interest accrued on a sum of ₹20,000 at the end of 2 years compounded annually is ₹2,050. Find the compound interest at the end of the 3rd year.

(a)

₹3,153.50

(b)

₹2,852.50

(c)

₹3,152.50

(d)

₹3,154.50

Answer: (c)

17.

If $\tan 15^\circ = 2 - \sqrt{3}$, then the value of $\tan 15^\circ \cot 75^\circ + \tan 75^\circ \cot 15^\circ$ is:

(a)

6

(b)

10

(c)

8

(d)

14

Answer: (d)

18.

A certain sum was to be divided between A and B in the ratio 8 : 5. However, by mistake, it was divided in the ratio 5 : 8. Thus, A gets ₹300 less than his original share. Find the sum.

(a)

₹2,600

(b)

₹1,500

(c)

₹1,300

(d)

₹600

Answer: (c)

20.

The perimeters of two similar triangles XYZ and PQR are respectively 62 cm and 42 cm. If PQ = 21 cm, find XY

(a)

27 cm

(b)

28 cm

(c)

29 cm

(d)

31 cm

Answer: (d)

21.

If $px + qy = 1$ and $qx + py = \frac{2pq}{p^2 + q^2}$, then $(x^2 + y^2)(p^2 + q^2)$ is equal to:

(a)

2

(b)

3

(c)

0

(d)

1

Answer: (d)

22.

The radii of two circles are 9 cm and 4 cm, the distance between their centres is 13 cm, then the length of the direct common tangent is:

(a)

8 cm

(b)

14 cm

(c)

12 cm

(d)

16 cm

Answer: (c)

24.

A salesman marks his goods 30% above the cost and gives a discount of 10% on them. Find his gain or loss percentage.

(a)

Loss 7%

(b)

Gain 7%

(c)

Loss 17%

(d)

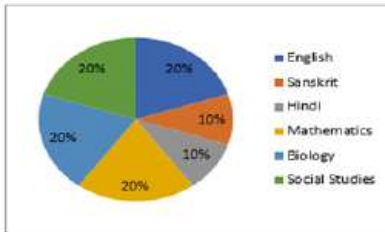
Gain 17%

Answer: (d)

25.

Study the given pie-chart and answer the question that follows.

Percentage-wise distribution of teachers in six different subjects in a school is given in the pie-chart. The total number of teachers is 600. The ratio of male and female teachers is 3 : 1.



Find the ratio of teachers in English, Sanskrit and Hindi to teachers in Mathematics, Biology and Social Studies.

(a)

2 : 5

(b)

1 : 2

(c)

2 : 3

(d)

1 : 5

Answer: (c)

General Awareness

1.

Which is the most powerful river in the world in terms of its volume and extensive drainage into the Atlantic Ocean?

(a)

Congo

(b)

Amazon

(c)

Amur

(d)

Nile

Answer: (b)

3.

The law of octaves asserts that every eighth element has comparable properties when grouped in increasing order of their atomic masses and is also known as:

(a)

Gravity relation

(b)

Doppler relation

(c)

Coulomb's relation

(d)

Newland's relation

Answer: (d)

4.

Which of the following regions in India is nicknamed as the storehouse of minerals?

(a)

Deccan Plateau

(b)

Western Ghats

(c)

Chota Nagpur

(d)

Himalayas

Answer: (c)

5.

Which of the following is consistent with import substitution policy?

(a)

Capital account convertibility

(b)

Flexible exchange rate policy

(c)

Tariffs and quotas

(d)

Current account convertibility

Answer: (c)

6.

Which of the following will be considered as normal residents of India?

A) Indians working in foreign embassies in India

B) Ambassador for India in rest of the world

(a)

Only A

(b)

Only B

(c)

Both A and B

(d)

Neither A nor B

Answer: (c)

8.

Who among the following personalities is a professional Kuchipudi Dancer?

(a)

Radha Sridhar

(b)

Surupa Sen

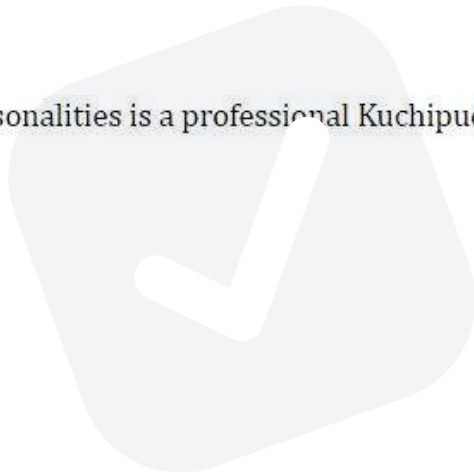
(c)

Anupama Hoskere

(d)

Kaushalya Reddy

Answer: (d)



11.

In which year did Swami Dayanand Saraswati establish Arya Samaj?

(a)

1875

(b)

1867

(c)

1828

(d)

1887

Answer: (a)

12.

Which of the following is a transfer payment?

a) Unemployment allowances

b) Scholarships

c) Retirement pension

(a)

Only a

(b)

All of a, b and c

(c)

Only a and b

(d)

only c

Answer: (b)

13.

Which equation was verified by American scientists Nichols and Hull in 1903 by measuring the radiation pressure of visible light?

(a)

$$Pr = C/N$$

(b)

$$P = L/M$$

(c)

$$P = F/A$$

(d)

$$P = U/C$$

Answer: (d)

16.

Where is Bhimrao Ambedkar Multipurpose Stadium situated?

(a)

Faizabad

(b)

Ghaziabad

(c)

Kanpur

(d)

Patna

Answer: (a)

17.

Which of the following Articles of the Indian Constitution has the idea that 'No child below the age of fourteen years shall be employed to work in any factory or mine or engaged in any other hazardous employment'?

(a)

Article 22

(b)

Article 24

(c)

Article 19

(d)

Article 20

Answer: (b)

18.

Totaram Sharma is associated with which of the following instruments?

- (a) Tanpura
- (b) Panchavadyam
- (c) Pakhawaj
- (d) Sarangi

Answer: (c)

20.

The Pakhawaj syllables are primarily used to conclude which of the following Indian classical dances?

- (a) Manipuri
- (b) Kathak
- (c) Odissi
- (d) Kathakali

Answer: (c)

21.

Who among the following was a member of the Drafting Committee of the Constituent Assembly?

- (a) Dr. KM Munshi
- (b) BN Rao
- (c) TT Krishnamachari
- (d) N Madhav Rau

Answer: (a)



22.

In the 2023 Women's World Boxing Championship gold medal match, Lovlina Borgohain defeated Australia's Caitlin Parker in the _____ kg weight category.

- (a)
70
- (b)
75
- (c)
80
- (d)
85

Answer: (b)

23.

In March 2023, the Pension Fund Regulatory and Development Authority (PFRDA) amended the 2015 PFRDA Regulation to increase the age limit for the Ombudsman from 65 to ____ years.

- (a)
77
- (b)
80
- (c)
70
- (d)
90

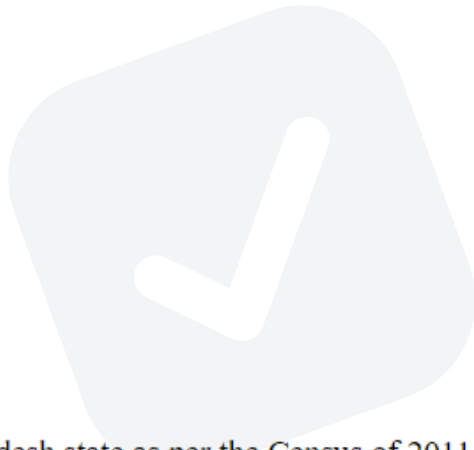
Answer: (c)

24.

The literacy rate of Andhra Pradesh state as per the Census of 2011 is _____.

- (a)
66.48%
- (b)
67.02%
- (c)
66%
- (d)
68.5%

Answer: (b)



25.

In which year did Rudolf Ludwig Karl Virchow formulate his famous aphorism 'Omnis cellula-e cellula' which became a part of the foundation of cell theory?

(a)

1855

(b)

1869

(c)

1840

(d)

1835

Answer: (a)

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

General Intelligence

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

Quantitative Aptitude

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

General Awareness

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