

PREVIOUS YEAR PAPER

SSC CHSL 2023 Tier I — 14 August 2023, Shift 2

SSC CHSL · 14 August 2023 · 11:45 AM - 12:45 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 14 August 2023, 11:45 AM - 12:45 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-1-14-aug-shift-2/

English Language

2. Select the word which means the same as the group of words underlined in the given sentence. I can't believe that I am doing this ordinary and dull task.

- (a) immoral
- (b) tenacious
- (c) mundane
- (d) destitute

Answer: (c)

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

P. but results in widespread hunger, death and social unrest

Q. some of the causes of famine in that region

R. drought, floods, war and economic instability

S. which not only causes severe shortage of food

- (a) RQSP
- (b) RSQP
- (c) QRSP
- (d) QPSR

Answer: (a)

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

The _____ age for retirement is 65 years in India.

- (a) mendatory
- (b) mendetory
- (c) mendaytory
- (d) mandatory

Answer: (d)

6. Parts of the following sentence have been given as options. Select the option that contains an error. The news is very good to be true.

- (a) to be true
- (b) very good
- (c) The news
- (d) is

Answer: (b)

7. The following sentence has been split into four segments. Identify the segment that contains a spelling error. They need to / wave the participation / fees for people / with disabilities.

- (a) wave the participation
- (b) with disabilities.
- (c) fees for people
- (d) They need to

Answer: (a)

9. 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. Looks first to his own profit B. And then to the king's, C. Or destroys the king's gain altogether
D. The chief collector of revenue

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

Answer: (b)

10. Select the most appropriate synonym of 'potential' in the given sentence.

I have seen Radhya growing in the last few years; she now has the capability to fight worse situations.

- (a) Worse
- (b) Situations
- (c) Growing
- (d) Capability

Answer: (d)

11. Select the most appropriate synonym for the given word.

Strength

- (a) Recluse
- (b) Weakness
- (c) Power
- (d) Disability

Answer: (c)

12. Select the most appropriate synonym of the given word. Feasibility

- (a) Sustainability
- (b) Impropriety
- (c) Heavy
- (d) Probability

Answer: (d)

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

Elaborate

- (a) Easy
- (b) Complex
- (c) Simple
- (d) Plain

Answer: (b)

17. Select the most appropriate option that can be used as a one-word substitute for the underlined segment in the following sentence.

After the scandal, the king was left with no choice but to announce his act of renouncing the throne.

- (a) coronation
- (b) extradition
- (c) exoneration
- (d) abdication

Answer: (d)

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

Ambivalent

- (a) Unpredictable
- (b) Legitimate
- (c) Unequivocal
- (d) Irresistible

Answer: (c)

20. Select the most appropriate option that can replace the underlined word in the following sentence.

The incurrigible optimism displayed by Aishwarya in difficult situations turned out her to be a favourite among her friends.

- (a) translucent
- (b) illustrious
- (c) unchanged
- (d) barefooted

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.

Climatic disasters are (1)_____ increasingly common due to the effects of climate change. These disasters include extreme weather events such as hurricanes, tornadoes, floods and droughts. To mitigate the effects of these disasters, it is essential to invest in disaster preparedness and (2)_____. The impact of climatic disasters is not limited to the loss of life and property damage. For example, hurricanes can disrupt the oil and gas industry, leading to higher fuel prices and (3)_____. Floods can damage crops and infrastructure, leading to food shortages and disruptions to transportation systems. Rising temperatures can lead to more frequent heat waves, while changes in precipitation patterns can lead to more (4)_____ droughts and floods. Climatic disasters disproportionately affect vulnerable populations. Collaboration among governments, communities and businesses is crucial for effective disaster preparedness and response. This involves investing in early warning systems, improving infrastructure and emergency services and planning for post-disaster recovery. By taking a (5)_____ approach to disaster management, we can reduce the impacts of climatic disasters and build more resilient communities.

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

- (a) became
- (b) becoming
- (c) become
- (d) becomes

Answer: (b)

22. Select the most appropriate option to fill in blank

- (a) regeneration
- (b) response
- (c) evaluation
- (d) manifestation

Answer: (b)

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

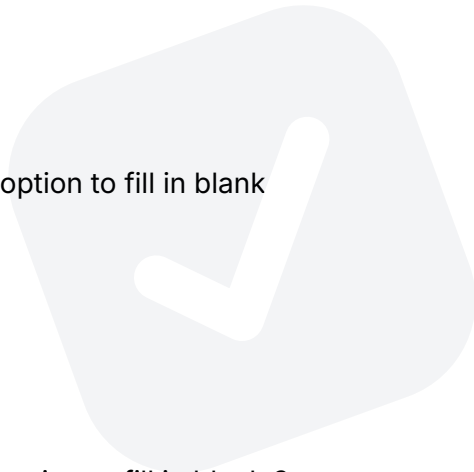
- (a) fatigue
- (b) shortages
- (c) failure
- (d) drought

Answer: (b)

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

- (a) fast
- (b) rare
- (c) frequent
- (d) speedy

Answer: (c)



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

- (a) proactive
- (b) productive
- (c) bioactive
- (d) inactive

Answer: (a)

General Intelligence

1.

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

3 - 4 - 24

4 - 7 - 56

(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)

9 - 12 - 54

(b)

8 - 7 - 53

(c)

2 - 3 - 18

(d)

5 - 8 - 80

Answer: (d)

2.

Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusion/s logically and definitely follow/s from the given statements.

Statements: Some Salts are Baths. All Tubs are Drums. Some Baths are Tubs.

Conclusions: (I) Some Salts are Tubs.

(II) Some Drums are Baths.

(a)

Both conclusions (I) and (II) follow.

(b)

Both conclusions (I) and (II) do not follow.

(c)

Only conclusion (I) follows.

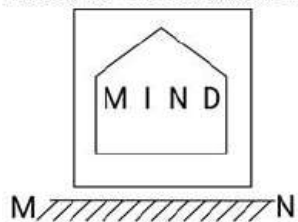
(d)

Only conclusion (II) follows.

Answer: (d)

3.

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



(a)



(b)



(c)



(d)



Answer: (b)



4.

If 14 March 2007 is Wednesday, then what will be the day of the week on 17 June 2013?

(a)

Thursday

(b)

Friday

(c)

Monday

(d)

Saturday

Answer: (c)

5.

Three of the following number triads are alike in some manner and one is different. Select the odd number triads.

(NOTE: The second and third numbers in the given number triads are formed by performing a certain operation on the first number. The same operation is followed in all the number triads except one. Find that odd number triads.)

(a)

4 : 16 : 12

(b)

15 : 225 : 210

(c)

11 : 121 : 110

(d)

7 : 49 : 40

Answer: (d)

6.

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

$$14 \div 6 - 4 \times 15 + 5 = ?$$

(a)

25

(b)

43

(c)

13

(d)

35

Answer: (d)

7.

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

NEZ : UIV

BIL : IOH

(a)

IUN : PAJ

(b)

TAP : AET

(c)

PIL : IOP

(d)

AOR : JUM

Answer: (a)

8.

In a certain code language, 'KARAN' is coded as 'OCVCR' and 'STAPLE' is coded as 'WVERPG'. What is the code for 'JOYFUL' in the given code language?

(a)

NQCHWN

(b)

NPCHYN

(c)

NQAHYN

(d)

NQCHYN

Answer: (d)



9.

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

18, 72, ?, 1152, 4608

(a)

274

(b)

218

(c)

304

(d)

288

Answer: (d)

10.

DJM is related to BHK in a certain way based on the English alphabetical order. In the same way, JNP is related to HLN. To which of the following is HFD related following the same logic?

(a)

ECA

(b)

JHF

(c)

FDB

(d)

DFH

Answer: (c)



11.

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

□	C	↑	8	□	Z	Z	D	↑	□	Z	C	
	D			↑			8			↑		
Z		8	D		C	C		□	8		D	?

(a)

C	D	↑
	□	
Z		8

(b)

C	8	↑
	□	
D		Z

(c)

↑	D	□
	C	
Z		8

(d)

D	8	Z
	□	
C		↑

Answer: (b)

12.

Three of the following number triads are alike in some manner and one is different. Select the odd number triad.

(NOTE: The second and third numbers in the given number triads are formed by performing a certain operation on the first number. The same operation is followed in all the number triads except one. Find that odd number triads.)

(a)

3 : 21 : 147

(b)

8 : 56 : 3100

(c)

1 : 7 : 49

(d)

10 : 70 : 490

Answer: (b)

13.

Select the term from among the given options that can replace the question mark (?) in the following series based on the English alphabetical order.

MVJ, OYN, QBR, SEV, ?

(a)

THY

(b)

TGY

(c)

UHZ

(d)

UGX

Answer: (c)

14.

Which of the following four options can replace the question mark (?) in the following series?

66, 87, 110, ?, 162, 191

(a)

120

(b)

125

(c)

146

(d)

135

Answer: (d)

15.

In a certain code language,

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

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

$A \times B$ means 'A is the husband of B' and

$A \div B$ means 'A is the father of B'.

Based on the above, how is Q related to R if $S + Q \div L \times H - R$?

(a)

Father's father

(b)

Father's son

(c)

Mother's father

(d)

Brother's father

Answer: (a)

17.

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

_TCUBH_VB_QWBIX_

(a)

BOJY

(b)

VJBX

(c)

ADCB

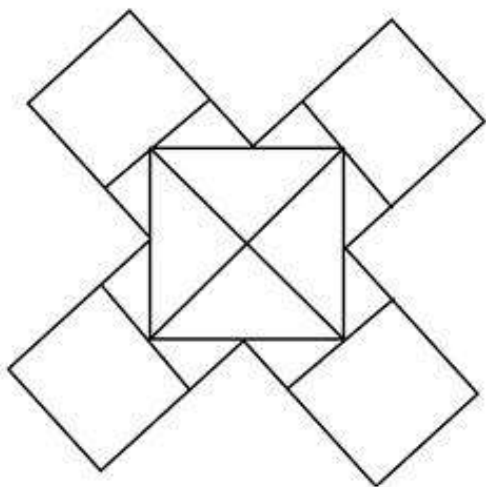
(d)

BJVX

Answer: (d)

18.

How many triangles are there in the given figure?



- (a) 14
- (b) 12
- (c) 15
- (d) 16

Answer: (d)

20.

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

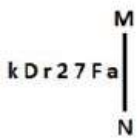
$$24 - 3 \div 4 \times 45 + 5 = ?$$

- (a) 70
- (b) 63
- (c) 72
- (d) 67

Answer: (d)

21.

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



(a)

(b)

(c)

(d)

Answer: (d)

22.

Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusion/s logically follow/s from the given statements.

Statements: All forests are deserts. Some deserts are valleys. All valleys are hills.

Conclusion (I): No hill is a forest.

Conclusion (II): Some deserts are hills.

(a)

Only conclusion II follows.

(b)

Neither conclusion I nor II follows.

(c)

Only conclusion I follows.

(d)

Both conclusions I and II follow.

Answer: (a)

23.

F is the father of G's father. G is married to H. H is the mother of I. J is the sister of G. K is the father of J. J is married to L. M is the brother of I and married to N. How is J related to I?

(a)

Father's sister

(b)

Sister

(c)

Father's brother

(d)

Mother's mother

Answer: (a)

24.

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)

SVT

(b)

KML

(c)

DGE

(d)

NQO

Answer: (b)

25.

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

$$300 + 242 \times 11 - 15 \div 9 = ?$$

(a)

324

(b)

143

(c)

413

(d)

341

Answer: (c)

Quantitative Aptitude

1.

Suhas, a 3.15 m tall tree, and a building are positioned such that their feet on the ground are collinear and the tree is located between Suhas and the building. The tree is located at a distance of 7.5 m from Suhas and at a distance of 45 m from the building. Further, the eyes of Suhas, the top of the tree, and the top of the building fall in one line, and the eyes of Suhas are at a height of 1.8 m from the ground. Find the height (in m) of the building.

(a)

11.25

(b)

11.50

(c)

10.25

(d)

10.75

Answer: (a)

2.

If $3\cot A = 4$ and A is an acute angle, then find the value of $\sec A$.

(a)

 $\frac{3}{4}$

(b)

 $\frac{5}{4}$

(c)

 $\frac{4}{5}$

(d)

 $\frac{5}{3}$ **Answer: (b)**

3.

The number 76050 is NOT divisible by which of the following numbers?

- (a)
4
- (b)
9
- (c)
3
- (d)
13

Answer: (a)

4.

A merchant marked his goods 20% above the cost price and sold the goods at a profit of 8%. The rate of discount is:

- (a)
15%
- (b)
10%
- (c)
12%
- (d)
8%

Answer: (b)

6.

Simplify: $\frac{(0.83)^3 - (0.1)^3}{(0.83)^2 + 0.083 + 0.01} = ?$

- (a)
0.98
- (b)
0.27
- (c)
0.93
- (d)
0.73

Answer: (d)



7.

If $x + \frac{1}{x} = 2$, then find the value of $x^5 + \frac{1}{x^5}$.

(a)

1

(b)

3

(c)

4

(d)

2

Answer: (d)

8.

Two circles touch each other externally at P. AB is a direct common tangent to the two circles, A and B are points of contact and $\angle PAB = 22^\circ$. The measure of $\angle ABP$ is:

(a)

 72°

(b)

 68°

(c)

 70°

(d)

 44° **Answer: (b)**

9.

9 cm long perpendicular is drawn from the center of the circle to a 24 cm long chord. Find the radius of the circle.

(a)

17 cm

(b)

18 cm

(c)

16 cm

(d)

15 cm

Answer: (d)

11.

Find the value of $\sin 47^\circ \cos 33^\circ - \cos 43^\circ \sin 57^\circ$.

(a)

-1

(b)

1

(c)

0

(d)

 $\frac{1}{2}$ **Answer: (c)**

12.

Simplify the given expression. $\frac{(4.2)^3 - 0.008}{(4.2)^2 + 0.84 + 0.04}$

(a)

4

(b)

-2

(c)

2

(d)

-4

Answer: (a)

14.

The total surface area of a cylinder whose radius is 6 cm and height is 8 cm is $\left(\text{use } \pi = \frac{22}{7}\right)$:

(a)

 528 cm^2

(b)

 575 cm^2

(c)

 658 cm^2

(d)

 625 cm^2 **Answer: (a)**

15.

In an election, a candidate who got 73% of the votes is elected by a majority of 1426 votes. If 20% of votes are invalid, then what is the total number of votes polled?

(a)

1878

(b)

4824

(c)

2865

(d)

3875

Answer: (d)

16.

A shopkeeper earns 15% profit on his goods. He loses 10% of his goods during transportation. What is his overall profit/ loss percentage?

(a)

Profit, 3.5%

(b)

Profit, 5%

(c)

Loss, 3.5%

(d)

Loss, 5%

Answer: (a)

17.

A can finish a work in 25 days, and B can do the same work in 15 days. B worked for 10 days and left the job. A alone can finish the remaining work in how many days?

(a)

$$7\frac{1}{3} \text{ days}$$

(b)

$$6\frac{1}{3} \text{ days}$$

(c)

$$8\frac{1}{3} \text{ days}$$

(d)

$$5\frac{1}{3} \text{ days}$$

Answer: (c)

18.

If $\sec\theta + \tan\theta = 4$, then $\sec\theta - \tan\theta = \underline{\hspace{2cm}}$.

(a)

$$\frac{1}{4}$$

(b)

$$\frac{1}{2}$$

(c)

$$2$$

(d)

$$4$$

Answer: (a)

19.

The table given below shows the number of aerated drinks—A, B, C, D—manufactured (in thousands) by a company over the years.

YEAR	Aerated Drinks			
	A	B	C	D
2019	250	200	140	115
2020	200	230	170	120
2021	260	210	195	135
2022	275	175	190	155

The manufacturing numbers of which aerated drink saw a continuous decrease from 2020 to 2022?

(a)

C

(b)

B

(c)

D

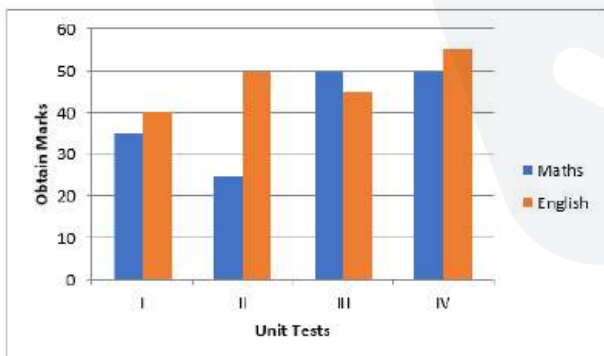
(d)

A

Answer: (b)

20.

The graph shows the marks obtain by the four students in mathematics and English in four Unit Tests.



The difference between the average marks obtain for all unit tests in both subject is:

(a)

7.25

(b)

7.50

(c)

7.40

(d)

7.75

Answer: (b)

22.

The speed of a car going from A to B is 110 km/h, while coming back, its speed is 76 km/h. What is the average speed during the entire journey?

(a)

$$87\frac{81}{99} \text{ km/h}$$

(b)

$$83\frac{89}{93} \text{ km/h}$$

(c)

$$89\frac{83}{93} \text{ km/h}$$

(d)

$$82\frac{91}{97} \text{ km/h}$$

Answer: (c)

23.

What is the third proportional of $2\sqrt{3}$ and $6\sqrt{5}$?

(a)

$$50\sqrt{6}$$

(b)

$$40\sqrt{3}$$

(c)

$$20\sqrt{6}$$

(d)

$$30\sqrt{3}$$

Answer: (d)

24.

The marked price on a fancy item is ₹250 but there is an 18% discount during festival season. The price of the fancy item after discount is:

(a)

$$₹204$$

(b)

$$₹205$$

(c)

$$₹202$$

(d)

$$₹208$$

Answer: (b)

25.

Two persons A and B are running around a circular track of length 1200 m with respective speeds of 27 kmph and 36 kmph. They started at the same time from the same point and are running in the same direction. When will they meet for the first time on the track (in seconds)?

(a)

420

(b)

240

(c)

480

(d)

360

Answer: (c)

General Awareness

1.

When did the Government of India bring the gender sensitivities of the budgetary allocation in its statement for the first time?

(a)

2004-05

(b)

2007-08

(c)

2006-07

(d)

2005-06

Answer: (d)

2.

Which of these measures of money supply is referred to as the aggregate monetary resources?

(a)

M4

(b)

M1

(c)

M2

(d)

M3

Answer: (d)

3. _____ is/are an item for which both, GST and central excise duty are applicable in India.

(a)

Alcohol for human consumption

(b)

Tobacco and tobacco products

(c)

Petroleum products

(d)

All the agricultural commodities

Answer: (b)

4.

Who among the following was the Governor General of India when the Permanent Settlement was introduced in Bengal for revenue collection by the East India Company?

(a)

Lord Cornwallis

(b)

Lord Wellesly

(c)

Lord Dalhousie

(d)

Lord Canning

Answer: (a)

5.

The length of the playing surface for Table Tennis is _____.

(a)

2.74 m

(b)

3.74 m

(c)

4.74 m

(d)

5.74 m

Answer: (a)



6.

Which state appointed Robin Uthappa as brand ambassador for the Brain Health Initiative in 2022?

(a)

Tamil Nadu

(b)

West Bengal

(c)

Odisha

(d)

Karnataka

Answer: (d)

7.

Who among the following long jumpers won the first ever silver medal for India in the long jump at common wealth games 2022?

(a)

Niraj Upadhyay

(b)

Saurav Ghoshal

(c)

Murali Sreeshankar

(d)

Prashnata Sahoo

Answer: (c)

9.

Gaan-NGai is a five-day festival primarily celebrated in which part of India?

(a)

Northern

(b)

North-Eastern

(c)

Western

(d)

Southern

Answer: (b)

10.

What is the aim of fundamental rights mentioned in the Indian Constitution ?

- (a) To establish a welfare state
- (b) To have an absolute independence
- (c) To promote economic justice
- (d) To establish political democracy

Answer: (d)

11.

What is the type of soil composed of silt and dust?

- (a)
Loam
- (b)
Marl
- (c)
Loess
- (d)
Podsol

Answer: (c)

12.

Which of the following is NOT a fundamental duty mentioned in the Indian Constitution?

- (a)
To bring reform
- (b)
To develop humanism
- (c)
To develop the spirit of inquiry
- (d)
To develop the spirit of harmony

Answer: (a)

13.

Which is an inherited blood disorder that affects the hemoglobin gene and results in ineffective erythropoiesis?

(a)

Somatostatinoma

(b)

Thalassemia

(c)

Venous Thromboembolism

(d)

Polycythemia vera

Answer: (b)

14.

Padayani is a folk dance from which state?

(a)

Kerala

(b)

Karnataka

(c)

Andhra Pradesh

(d)

Tamil Nadu

Answer: (a)

16.

Ustad Bismillah Khan is associated with which of the following instruments?

(a)

Shehnai

(b)

Veena

(c)

Flute

(d)

Violin

Answer: (a)

18.

Who first introduced the idea of a relationship between molecular geometry and the number of valence electrons in the 1940s?

(a)

Bent and Nyholm

(b)

Hendricus and Nicol

(c)

Sidgwick and Powell

(d)

Heitler and Gillespie

Answer: (c)

19.

According to the Ministry of Power, Government of India, which is the largest energy source of India? (as of March 2023)

(a)

Hydro power

(b)

Tidal energy

(c)

Coal

(d)

Solar energy

Answer: (c)

20.

Jayalakshmi Eshwar won the Sangeet Natak Akademi Award 2021 for her contribution to which Indian classical dance form?

(a)

Bharatanatyam

(b)

Kathakali

(c)

Kathak

(d)

Odissi

Answer: (a)

21.

Which state in India had the lowest sex ratio according to the 2011 census?

- (a)
Punjab
- (b)
Rajasthan
- (c)
Bihar
- (d)
Haryana

Answer: (d)

22.

In India, the financial year runs from _____ to _____.

- (a)
April 1, March 31
- (b)
February 1, January 31
- (c)
July 1, June 31
- (d)
January 1, December 31

Answer: (a)

23.

The dimensions of force are:

- (a)
 $[M^0 L^3 T^0]$
- (b)
 $[M L^{-3} T^0]$
- (c)
 $[M^0 L T^{-1}]$
- (d)
 $[M L T^{-2}]$

Answer: (d)

25.

What is the phenomenon called when rain fails to occur for one or more weeks during the south-west monsoon period?

(a)

Withdrawal of the monsoon

(b)

Break in the monsoon

(c)

El Nino

(d)

Monsoon depression

Answer: (b)

Answer key

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

English Language

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

General Intelligence

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

Quantitative Aptitude

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

General Awareness

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