PREVIOUS YEAR PAPER

SSC MTS 2021 — 20 July 2022, Shift 2

SSC MTS & Havaldar · 20 July 2022 · 1:00 PM - 2:30 PM

93 of the paper's 100 questions · marks per question not printed on the response sheet

Left out of the original paper: 7 (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 20 July 2022, 1:00 PM - 2:30 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-mts/previous-year-papers/ssc-mts-2021-20-jul-shift-2/

General English

1. Select the most appropriate meaning of the given idiom.

Give someone a taste of their own medicine

(a) Sell something back to someone
(b) Mistreat someone in the same way they have treated others
(c) Show someone their faults
(d) Make fun of someone

Answer: (b)

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

Uttar Pradesh / accounts for about 16 per cent / of the / country population.

(a) of the
(b) country population
(c) Uttar Pradesh
(d) accounts for about 16 per cent

Answer: (b)

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

We are _____ to the true legacy of humanism, and we must never forget this.

(a) Heirs
(b) Hair
(c) Hares
(d) Here

Answer: (a)

4. Parts of the following sentence have been given as options. 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.

You have to understood what normal political rhetoric looks like.

(a) understood what normal
(b) political rhetoric looks like
(c) No error
(d) You have to

Answer: (a)

5. Select the most appropriate ANTONYM of the underlined word in the given sentence.

Community leaders were baffled by the sudden arrival of the President.

(a) flustered
(b) composed
(c) thwarted
(d) confused

Answer: (b)

6. Select the option that rectifies the incorrectly spelt words in the given sentence.

Our webcite is no longer avaialbale to the users.

(a) Our webcite is no longer available to the user
(b) Our websight is no longer availbale to the u[illegible]s.
(c) Our website no longer available to th[illegible]
(d) Our website is no longer availbale to the users.

Answer: (c)

7. Select the option that will improve the underlined part of the given sentence. In case no improvement is needed, select 'No improvement required'.

I has no doubts that there is a lesson which stands to be learnt from Alice's misfortune.

(a) have no doubt that there is a lesson
(b) have had no doubts that their is a lesson
(c) am having no doubts that there are a lesson
(d) No improvement required

Answer: (a)

8. Select the most appropriate meaning of the underlined idiom.

He was on cloud nine after passing the test.

(a) Very depressed
(b) Very happy
(c) Not educated
(d) Busy at work

Answer: (b)

9. 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.

Discrimination at the basis / of gender is not / acceptable in this office.

(a) of gender is not
(b) acceptable in this office
(c) No error
(d) Discrimination at the basis

Answer: (d)

10. Select the option that will improve the underlined part of the sentence. In case no improvement is needed, select 'No improvement required'.

Viren examined careful all the possibilities of data th

(a) carefully examined
(b) No improvement required
(c) examine careful
(d) careful examined

Answer: (a)

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

The RTE Act bears many similarities to the US's No Child Left Behind Act, _____ school accountability, assessment standards and teacher training.

(a) startling
(b) responding
(c) including
(d) concluding

Answer: (c)

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

I think it is quite _____ that your parents still hold hands.

(a) adorable
(b) adorably
(c) adore
(d) adores

Answer: (a)

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

Slim

(a) Flashy
(b) Rosy
(c) Skinny
(d) Moody

Answer: (c)

14. Select the option that will improve the underlined part of the sentence. In case no improvement is needed, select 'No improvement required'.

You are not supposed to touch these books.

(a) off touching these
(b) No improvement required
(c) on touched that
(d) to touch this

Answer: (b)

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

Sporadic

(a) Infrequent
(b) Ample
(c) Methodical
(d) Regular

Answer: (a)

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

A game in which no one wins

(a) Hung
(b) Lapse
(c) Null
(d) Draw

Answer: (d)

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

Evident

(a) Obvious
(b) Distinct
(c) Hidden
(d) Apparent

Answer: (c)

18. Select the option that will improve the underlined part of the given sentence. In case no improvement is needed, select 'No improvement required'.

The district woken up to a thick blanket of snow this morning as the winter entered its most bitter phase.

(a) wake up to a
(b) No improvement required
(c) awaken up to an
(d) woke up to a

Answer: (d)

19. Select the correctly spelt word.

(a) Beneficial
(b) Benificial
(c) Beneifical
(d) Benificail

Answer: (a)

20. Select the option that will improve the underlined part of the given sentence. In case no improvement is needed, select 'No improvement required'.

The community members as well as teachers are presently into the bus station.

(a) are presently on
(b) are present at
(c) No improvement required
(d) is present at

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.
>
> The Crosses, the village (1) _____ Vasili Andreevich lived, consisted of six houses. As soon as they had passed the blacksmith's hut, (2) _____ last in the village, they realised that the wind was much stronger than they had thought. The road could hardly be seen. The tracks left by the sledge-runners were immediately (3) _____ by snow and the road was only (4) _____ by the fact that it was higher than the rest of the ground. There was a swirl of snow over the fields and the line where sky and earth met could not be (5) _____.

21. Select the most appropriate option to fill in blank number 1.
    (a) when
    (b) we're
    (c) where
    (d) what

    Answer: (c)

22. Select the most appropriate option to fill in blank number 2.
    (a) an
    (b) the
    (c) one
    (d) a

    Answer: (b)

23. Select the most appropriate option to fill in blank number 3.
    (a) exposed
    (b) highlighted
    (c) covered
    (d) made

    Answer: (c)

24. Select the most appropriate option to fill in blank number 4.
    (a) anguished
    (b) distinguished
    (c) crushed
    (d) extinguished

    Answer: (b)

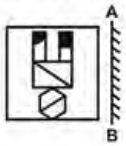
25. Select the most appropriate option to fill in blank number 5.
    (a) seen
    (b) seeing
    (c) saw
    (d) see

    Answer: (a)

General Intelligence and Reasoning

1.

Select the correct mirror image of the given figure when the mirror is placed at the right side.



(a)



(b)



(c)



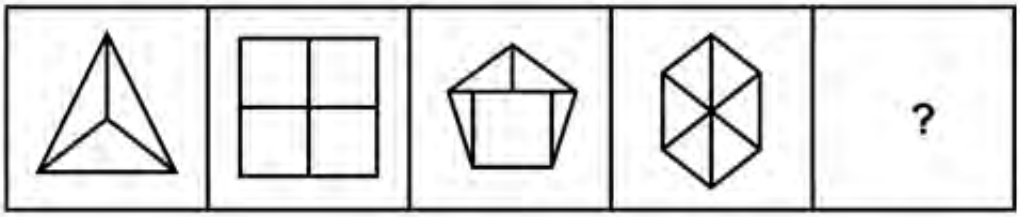
(d)



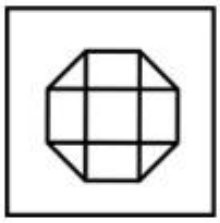
Answer: (d)

2.

Select the figure that will come next in the following figure series.



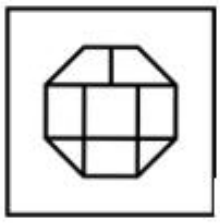
(a)



(b)



(c)



(d)



Answer: (b)

3. The scores of seven batsman B1, B2, B3, B4, B5, B6 and B7 are compared. The score of B1 is greater than B7 and B3. The score of B6 is neither more nor less than the score of B4 but more than B1. B5 scored less than only one batsman. The score of B7 is not the least score. How many batsman scored more than B4?

(a) 3

(b) 1

(c) 2

(d) 4

Answer: (c)

4. 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:
I. All M are Q. II. No L is Q.

Conclusions: I. No M is L.
II. Some L are not M.

(a) Neither conclusion I nor II follows

(b) Both conclusions I and II follow

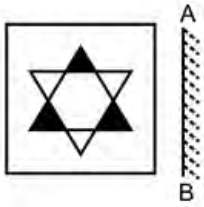
(c) Only conclusion II follows

(d) Only conclusion I follows

Answer: (b)

5.

Select the correct mirror image of the given figure when the mirror is placed at the right side.



(a)



(b)



(c)



(d)



Answer: (c)

6. Select the option that will replace the question mark (?) in the given series.

45, 35, 27, 21, 17, ?

(a) 14

(b) 13

(c) 15

(d) 16

Answer: (c)

7. In a certain code language, 'Ashok is big' is written as 'pr 6 8', 'Huge people are strong' is written as 'lm pt 7 @' and 'Is big are' is written as 'pr pt 8'. What can be the possible code for 'Ashok people' in that code language?

(a) 6 pt

(b) 8 7

(c) 6 lm

(d) lm @

Answer: (c)

8. Select the option that is related to the fifth word in the same way as the second word is related to the first word and the fourth word is related to the third word.

Cricket : Bat :: Hockey : Stick :: Rugby : ?

(a) Ball

(b) Goal

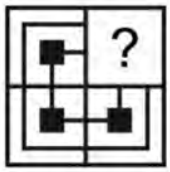
(c) Field

(d) Player

Answer: (a)

9.

Select the figure from the options that can replace the question mark (?) and complete the pattern (rotation is NOT allowed).



(a)



(b)



(c)



(d)



Answer: (a)

10. Select the option that is related to the fifth number in the same way as the second number is related to the first number and fourth number is related to third number.

7 : 2401 :: 3 : 441 :: 5 : ?

(a) 685

(b) 880

(c) 1805

(d) 1225

Answer: (d)

11. In a certain code language, 'nu vu du' is written as 'Please ask Hamza', 'hu du ru' is written as 'Give water please', and 'tu vu ru' is written as 'Give Hamza Book'. What is the code for the word 'Book' in that language?

(a) ru

(b) vu

(c) tu

(d) nu

Answer: (c)

12. Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster.

RBS : OXN :: OXA : ?

(a) LTW
(b) LUW
(c) LTV
(d) LUV

Answer: (c)

13.

Select the option in which the given figure is embedded.
(Rotation of figure not allowed.)



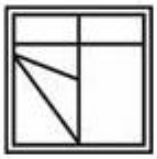
(a)



(b)



(c)



(d)



Answer: (a)

14. Select the option in which the numbers are related in the same way as are the numbers in the given set.

(131, 142, 153)

(a) (161, 172, 195)
(b) (119, 130, 141)
(c) (149, 160, 193)
(d) (127, 149, 160)

Answer: (b)

15. After interchanging the given two signs, what will be the value of the given expression?

÷ and × 5 + 10 ÷ 8 × 2 – 20

(a) 25
(b) 30
(c) 20
(d) 35

Answer: (a)

16. Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.

ACL, DFO, GIR, JLU, MOX, ?

(a) PRA
(b) NPZ
(c) OQZ
(d) ARP

Answer: (a)

17. In a certain code language, 'ADULT' is coded as '53' and 'LACK' is coded as '23'. How will 'HEAVEN' be coded in that language?

(a) 58
(b) 55
(c) 49
(d) 61

Answer: (c)

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 scales are pencils. Some pencils are erasers.

Conclusions: I: Some scales are erasers. II: Some pencils are scales.

(a) Both I and II follow

(b) Only II follows

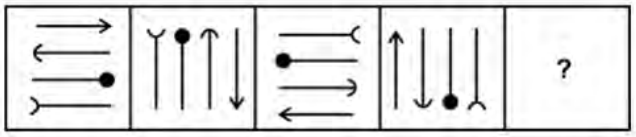
(c) Only I follows

(d) Neither I nor II follows

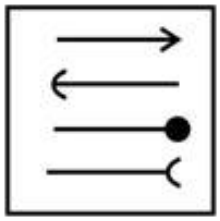
Answer: (b)

19.

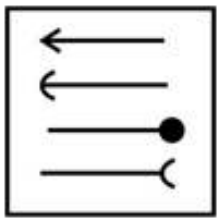
Select the figure from among the given options that can replace the question mark (?) in the following series.



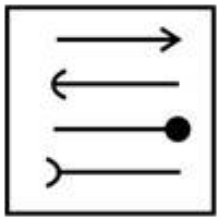
(a)



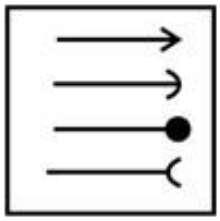
(b)



(c)



(d)



Answer: (c)

20. Which two numbers should be interchanged to make the given equation correct?

81 + 31 ÷ 9 – 7 = 33

(a) 9 and 7

(b) 31 and 9

(c) 31 and 81

(d) 81 and 7

Answer: (c)

21. Select the option that is related to the fifth term in the same way as the second term is related to the first term and the fourth term is related to the third term.

SIDE22 : UKFG19 :: SETS15 : UGVU12 :: MINE11 : ?

(a) NJOF12

(b) OKPG8

(c) NJOF9

(d) OKPG14

Answer: (b)

22. In a certain code language, 'sand is hot' is written as '6 8 9' and 'grains are white sand' is written as '4 3 9 2'. What is the code for 'hot' in that code language?

(a) 4

(b) 6 or 8

(c) 9

(d) 3

Answer: (b)

23. Seven girls V, K, L, P, A, C and N are sitting in a row facing the South (not necessarily in the same order). L is to the immediate left of P. K is at one of the ends. A is the immediate neighbour of K. Only N is between A and C. Only P is between L and C. Which of the following statements is/are correct? I. P is third to the left of A. II. N is to the immediate right of C.

(a) Neither I nor II

(b) Only I

(c) Both I and II

(d) Only II

Answer: (c)

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

482, 239, 158, 131, 122, ?

(a) 121

(b) 119

(c) 117

(d) 113

Answer: (b)

25. Six friends Amit, Bhuvan, Chand, David, Emily and Fedrick are sitting around a circular table facing towards the centre (not necessarily in the same order). Amit sits third to the left of David. David sits to the immediate right of Bhuvan. Bhuvan sits second to the left of Emily. Chand sits second to the right of Fedrick. Who sits second to the right of Amit?

(a) Chand

(b) Bhuvan

(c) Emily

(d) Fedrick

Answer: (b)

Numerical Aptitude

1.

The selling price of a plate is 140% of its cost price. What will be the profit percentage?

(a)

35%

(b)

28.57%

(c)

40%

(d)

25%

Answer: (c)

2.

A work can be completed by N men in 15 days. 5 men leave the work after 3 days. The remaining work was completed in 18 days. What is the value of N?

(a)

18

(b)

21

(c)

15

(d)

12

Answer: (c)

3.

The following table shows the marks obtained by Anoop in his final examination of class X in five different subjects.

Subject	Maximum marks	Marks obtained
Hindi	100	74
English	100	84
Math	150	124
Science	50	36.4
Social Science	50	47

What is the percentage of marks obtained by Anoop in all the five subjects put together?

(a)

75.8%

(b)

72.6%

(c)

81.2%

(d)

82.1%

Answer: (c)

5.

What is the value of $(1 \div 2)$ of $10 + (1 \div$ of 12?

(a)

-11

(b)

11

(c)

-3

(d)

8

Answer: (d)

6.

Out of a total of 9 books arranged in a particular order, the mean of the number of pages in the first 5 books is 430, the mean of the number of pages in the last 5 books is 380 and the mean of the number of pages in all the 9 books is 400. Find the number of pages in the fifth book.

(a)

450

(b)

420

(c)

430

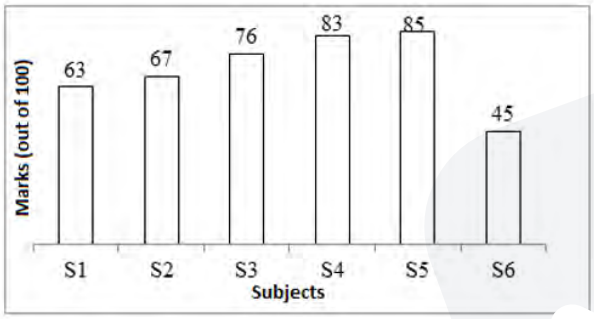
(d)

440

Answer: (a)

7.

The following bar chart shows the marks obtained (out of 100) by a student in 6 different subjects in an examination.



The total marks obtained by the student in S2 and S4 taken toge... percentage more than the marks obtained by the student in S5? [Give your answer correct to 2 decimal places.]

(a)

73.34%

(b)

71.11%

(c)

76.47%

(d)

79.32%

Answer: (c)

8.

The speed of a boat going downstream is 22 km/h. The speed of the stream is 1 km/h. How much distance in total will the boat cover going 3 hours downstream and 2 hours upstream?

(a)

112 km

(b)

94 km

(c)

106 km

(d)

102 km

Answer: (c)

10.

If $A = \frac{2}{3} \div \frac{4}{9}$, $B = \frac{6}{11} \times \frac{33}{12}$ and $C = \frac{1}{3} \times \frac{9}{2}$, then what is the value of $A \times B - C$?

(a)

$\frac{3}{8}$

(b)

$\frac{3}{2}$

(c)

$\frac{3}{4}$

(d)

$\frac{3}{16}$

Answer: (c)

13.

The curved surface area of a cylinder, whose height is 10 cm, is 1320 cm^2. What is the volume of this cylinder? [Use $\pi = \frac{22}{7}$]

(a)

$1388\ m^3$

(b)

$0.001368\ m^3$

(c)

$0.1386\ m^3$

(d)

$0.01386\ m^3$

Answer: (d)

14.

The average age of 5 children is 10 years. If two more children of ages 11 years and 16 years join, then what will be the new average age?

(a)

11 years

(b)

10 years

(c)

13 years

(d)

12 years

Answer: (a)

15.

If K1 and K2 are two distinct prime numbers, then what is the product of the highest common factor and the least common multiple of K1 and K2?

(a)

1

(b)

$\frac{K1}{K2}$

(c)

$K1 + K2$

(d)

$K1 \times K2$

Answer: (d)

16.

On a tree, there are some parrots and some pigeons in the ratio of 7 : 9, respectively. After an hour, 8 parrots fly away, and 6 pigeons and 10 sparrows come and sit on the tree. The ratio of the parrots and the pigeons on the tree now is 1 : 4. What is the ratio of the parrots and the sparrows that are now on the tree?

(a)

$1 : 1$

(b)

$1 : 2$

(c)

$3 : 5$

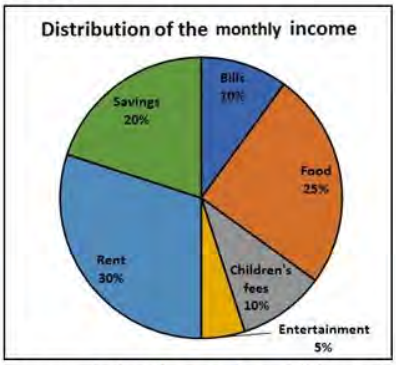
(d)

$4 : 5$

Answer: (c)

17.

The following pie-chart shows the distribution of the monthly income of a man. The monthly income of the man is ₹84,000.



How much does he spend on children's fees in a year?

(a)

₹80,500

(b)

₹98,000

(c)

₹1,01,800

(d)

₹1,00,800

Answer: (d)

18.

A boat takes a total of 2 hours to cover 9 km downstream and ret.. ..at the speed of the stream is 6 km/h. What is the speed of the boat in still water?

(a)

15 km/h

(b)

8 km/h

(c)

16 km/h

(d)

12 km/h

Answer: (d)

19.

If the area of a parallelogram is 508 m^2 and its base is 40 m, then what is the corresponding height of the parallelogram?

(a)

10.8 m

(b)

18.4 m

(c)

12.7 m

(d)

22.2 m

Answer: (c)

21.

The average of 8 consecutive integers is $\frac{27}{2}$. What is the average of the largest four of these integers?

(a)

16.5

(b)

15

(c)

14.5

(d)

15.5

Answer: (d)

22.

A sum, when invested for 2 years at the rate of 10% per annum at simple interest, amounts to ₹4,800 on maturity. What is the sum invested?

(a)

₹3,600

(b)

₹4,000

(c)

₹3,500

(d)

₹4,200

Answer: (b)

24.

Kisna buys a cow for ₹15,000. After one year, he sells it for ₹18,500. After one year, again he buys the same cow at ₹19,000 and sells it for ₹22,300. What is the overall profit percentage of Kisna?

(a)
18%
(b)
10%
(c)
20%
(d)
15%

Answer: (c)

25.

A large solid cube is melted and cast into 'N' small solid spheres, each of radius 3 cm, and 'N + 2' small solid cuboids, each of dimensions 4 cm × 4 cm × 6.5 cm. If the length of each side of the large solid cube is 12 cm, then find the value of 'N'. [Use $\pi = \frac{22}{7}$]

(a)
8
(b)
5
(c)
7
(d)
6

Answer: (c)

General Awareness

1. Which of the following is an example of Phylum Mammalia of Animal Kingdom?

(a) Hen
(b) Crocodile
(c) Pigeon
(d) Rat

Answer: (d)

2. As per the 2011 Census, arrange the following languages in descending order of Speakers strength: Marathi, Hindi, Maithili.

(a) Marathi, Hindi, Maithili
(b) Marathi, Maithili, Hindi
(c) Hindi, Maithili, Marathi
(d) Hindi, Marathi, Maithili

Answer: (d)

3. Which Indian actress was also one of the dancer to be honoured with the 'Padma Shri' award in 1968?

(a) Hema Malini
(b) Sridevi
(c) Vyjayanthimala
(d) Madhubala

Answer: (c)

4. In the northern and north-western part of India, _____ is the main food crop.

(a) Wheat
(b) Rice
(c) Maize
(d) millet

Answer: (a)

5. Lavani is the dance form of which state?

(a) Gujarat
(b) Maharashtra
(c) Rajasthan
(d) Karnataka

Answer: (b)

6. Which team won the Indian Super League 2021-22?

(a) Jamshedpur FC
(b) ATK Mohun Bagan
(c) Hyderabad FC
(d) Kerala Blasters FC

Answer: (c)

7. The terminology ‘direct free kick’ is associated with which sport?

(a) Cricket
(b) Badminton
(c) Football
(d) Hockey

Answer: (c)

8. Who among the following was conferred the Dadasaheb Phalke Award at the 67th National Film Awards ceremony?

(a) Sanjay Dutt
(b) S Shankar
(c) Rajinikanth
(d) Amitabh Bachchan

Answer: (c)

9. In which of the following states of India is Gangaur festival celebrated?

(a) Manipur
(b) Rajasthan
(c) Karnataka
(d) Kerala

Answer: (b)

10. In November 2021, 'the Duare Ration' scheme was launched in _____.

(a) Kerala
(b) Gujarat
(c) West Bengal
(d) Uttarakhand

Answer: (c)

11. The Mahabodhi Temple is an ancient Buddhist temple. It is situated in which state of India?

(a) Rajasthan
(b) Uttar Pradesh
(c) Kerala
(d) Bihar

Answer: (d)

12. Genghis Khan died in which year?

(a) 1227
(b) 1234
(c) 1222
(d) 1220

Answer: (a)

14. Who among the following freedom fighters was the first woman to become the Governor of Uttar Pradesh State?

(a) Sarojini Naidu
(b) Raikumari Amrit Kaur
(c) Sheila Dikshit
(d) Kasturba Gandhi

Answer: (a)

15. The rhythmic rise and fall of ocean water twice in a day is called a _____.

(a) fall
(b) tide
(c) wave
(d) current

Answer: (b)

16. What is the draft of legislative proposal that needs to be passed in both houses of Parliament of India to become an Act called?

(a) Article
(b) Amendment
(c) Bill
(d) Form

Answer: (c)

17. _____ is the market value of all final goods and services produced within a domestic territory of a country measured in a year.

(a) Gross margin
(b) Gross Domestic Product (GDP)
(c) Net National Product (NNP)
(d) Gross National Product (GNP)

Answer: (b)

18. Which of the following is a biotic component of ecology?

(a) Sunlight
(b) Carbonic substance
(c) Humidity
(d) Fungi

Answer: (d)

19. With which of the following musical instruments s Ustad Alla Rakha primarily associated?

(a) Sitar
(b) Sarod
(c) Tabla
(d) Flute

Answer: (c)

20. What is Brahmaputra River called in Arunachal Pradesh?

(a) Tsangpo
(b) Purab Ganga
(c) Dihang
(d) Mandakini

Answer: (c)

21. Which feature of the Indian Constitution refers to the existence of more than one level of government in the country?

(a) Radicalism
(b) Federalism
(c) Liberalism
(d) Secularism

Answer: (b)

22. Which of the following rulers did NOT belong to Maurya dynasty?
    (a) Bindusara
    (b) Ashoka
    (c) Chandragupta
    (d) Bimbisara
    Answer: (d)

23. Who among the following led of the famous Indigo Revolt in Bengal?
    (a) Mahatma Gandhi
    (b) Bishnu Charan Biswas and Digambar Biswas
    (c) Vasudev Balwant Phadke
    (d) Madari Pasi
    Answer: (b)

24. With respect to occupation, secondary activities include _____.
    (a) mining
    (b) administration
    (c) construction work
    (d) fishing
    Answer: (c)

25. Which of the following is an example of metalloid?
    (a) Indium
    (b) Gallium
    (c) Boron
    (d) Aluminium
    Answer: (c)

Answer key

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

General English

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

General Intelligence and Reasoning

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

Numerical Aptitude

1	**(c)**	2	**(c)**	3	**(c)**	5	**(d)**	6	**(a)**	7	**(c)**	8	**(c)**	10	**(c)**				
13	**(d)**	14	**(a)**	15	**(d)**	16	**(c)**	17	**(d)**	18	**(d)**	19	**(c)**	21	**(d)**				
22	**(b)**	24	**(c)**	25	**(c)**														

General Awareness

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