PREVIOUS YEAR PAPER

SSC MTS 2021 — 26 July 2022, Shift 1

SSC MTS & Havaldar · 26 July 2022 · 9:00 AM - 10:30 AM

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 26 July 2022, 9:00 AM - 10:30 AM. 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-2021-26-jul-shift-1/

General English

1. 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.

In the delicacy and elaborateness / of its ornament, it is the / more splendid church in Italy.

(a) of its ornament it is the
(b) No error
(c) In the delicacy and elaborateness
(d) more splendid church in Italy

Answer: (d)

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

The fashion industry is one of the largest contributors to global warming.

(a) of the larger contributor
(b) off the largely contributor
(c) of largest contributors
(d) No improvement required

Answer: (d)

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

A large chunk of lemon crop grown in the country goes _____ to factories.

(a) director
(b) directing
(c) directed
(d) directly

Answer: (d)

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

Neither Priya nor Rashmi is planning a trip.

(a) is plan a
(b) No improvement required
(c) are planning a
(d) will planning an

Answer: (b)

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

If broadly beneficial immigration is to be sustained, destination countries must acknowledge and _____ the real risks that it raises.

(a) address
(b) speak
(c) perform
(d) disregard

Answer: (a)

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

A place for storing grain

(a) Treasury
(b) Apiary
(c) Aviary
(d) Granary

Answer: (d)

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

Demote

(a) Break
(b) Elevate
(c) Disregard
(d) Sack

Answer: (b)

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

Astute

(a) Shrewd
(b) Dull
(c) Impolite
(d) Crude

Answer: (a)

9. Parts of the given 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.

If your kids sleep well, they are likely to behave better.

(a) No error
(b) to behave better
(c) they are likely
(d) If your kids sleep well

Answer: (a)

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

The man was _____ enough to thank her for all the hard work.

(a) horrid
(b) repellent
(c) gracious
(d) attractive

Answer: (c)

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

Forthright

(a) Motivated
(b) Upfront
(c) Devious
(d) Outspoken

Answer: (c)

12. Select the correctly spelt word.

(a) Yseterday
(b) Yesterday
(c) Ystrday
(d) Yestarday

Answer: (b)

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

Castle in the air

(a) Acquire something honestly
(b) Unrealistic plan
(c) Very expensive
(d) Polluted air

Answer: (b)

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

A group of fish

(a) Troop
(b) Bunch
(c) Litter
(d) School

Answer: (d)

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

The ability to relax and rejuvenate promotes wellness.

(a) update
(b) replenish
(c) suppress
(d) revive

Answer: (c)

18. 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.

The students was given the task of penning down a s t write-up.

(a) given the task of penning
(b) The students was
(c) down a short write-up
(d) No error

Answer: (b)

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

Tidy

(a) Muddy
(b) Orderly
(c) Petty
(d) Nominal

Answer: (b)

20. Select the option that corrects the misspelt words in the given sentence.

We have to relie on meaningful contont now.

(a) We have to relie on meaningful content now.
(b) We have to rely on meaningful cuntent now.
(c) We have to rely on meaningful contont now.
(d) We have to rely on meaningful content now.

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.
>
> When it's your idea, you want to (1) _____ about it all the time. I've had this problem on more than a few occasions now. I know there shouldn't be any shame in (2) _____ your work, but it's such a task to draw the line. In my case, since my work is all things related to social media, this problem gets even (3) _____ convoluted. Long story short, I hate that I (4) _____ have to worry about when it's okay to promote, and when it's (5) _____

21. Select the most appropriate option to fill in blank number 1.
    (a) customise
    (b) express
    (c) talk
    (d) meet
    Answer: (c)

22. Select the most appropriate option to fill in blank number 2.
    (a) leaning
    (b) demoting
    (c) asking
    (d) promoting
    Answer: (d)

23. Select the most appropriate option to fill in blank number 3.
    (a) least
    (b) less
    (c) more
    (d) most
    Answer: (c)

24. Select the most appropriate option to fill in blank number 4.
    (a) occasionally
    (b) constantly
    (c) rarely
    (d) never
    Answer: (b)

25. Select the most appropriate option to fill in blank number 5.
    (a) not
    (b) none
    (c) nothing
    (d) no
    Answer: (a)

General Intelligence and Reasoning

1. 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 T are N.
II. No M is N.

Conclusions:
I. All T are M.
II. Some T are not M.

(a) Both conclusions I and II follow
(b) Only conclusion I follows
(c) None of the conclusions follow
(d) Only conclusion II follows

Answer: (d)

2.

Select the option figure in which the given figure is embedded.



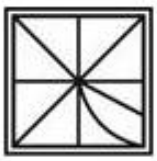
(a)



(b)



(c)



(d)



Answer: (b)

3. 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: Only a few A1 are P5. Only a few P5 are T8.

Conclusions:
I. Some A1 are T8.
II. All P5 can never be T8.

(a) Only conclusion II follows.
(b) Neither conclusion I nor II follow.
(c) Only conclusion I follows.
(d) Both conclusions I and II follow.

Answer: (a)

4. 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.

NORMAL : PQTOCN :: REGARD : TGICTF :: TRAVEL : ?

(a) VTCXFN
(b) VTCWGN
(c) VTCXGN
(d) VTCXGM

Answer: (c)

5. In a certain code language, 'planes get g[illegible]' is [illegible]ded as 'pn lm pg', and 'hard work get' is coded as 'kt rk lm'. 'hard is you' is coded as 'ab rk fg'. [illegible] can be the code for 'work' in that language?

(a) kn
(b) lm
(c) pg
(d) kt

Answer: (d)

6. 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 the fourth number is related to the third number.

8 : 514 :: 3 : 29 :: 7 : ?

(a) 325
(b) 355
(c) 335
(d) 345

Answer: (d)

7. 4 males M1, M2, M3 and M4 are sitting in a row facing towards the west (not necessarily in the same order). 4 females F1, F2, F3 and F4 sitting in a row facing towards the face of these males (not necessarily in the same order). F4 is to the immediate right of F3. One female is sitting between F2 and F3. M3 is diagonally opposite to F2. M2 is second to the right of M4. Which of the following statements can be correct?
I. M4 is facing F3.
II. M2 is diagonally opposite to F4.

(a) Both I and II

(b) Neither I nor II

(c) Only II

(d) Only I

Answer: (a)

8. 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 the fourth number is related to the third number.

14 : 19 :: 25 : 32 :: 103 : ?

(a) 123

(b) 105

(c) 115

(d) 107

Answer: (d)

9. A, B, C, D, E, and F are standing in a circle talking facing the centre of the circle. E is standing immediate right to C. D is standing at the third position towards the left of C. A is standing at the second place towards the right of F. Who is standing to the immediate right of D?

(a) B

(b) E

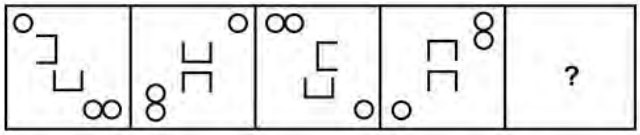
(c) C

(d) A

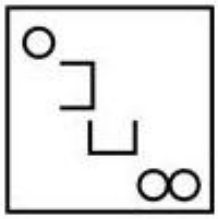
Answer: (d)

10.

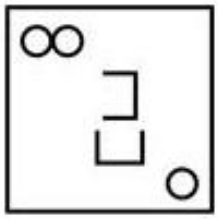
Select the figure from among the given options that can replace the question mark (?) in the following series.



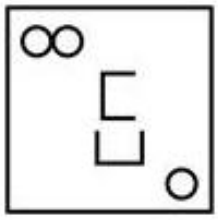
(a)



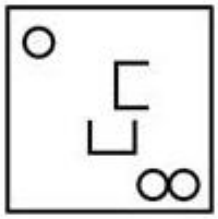
(b)



(c)



(d)



Answer: (a)

11. The areas of seven circles C1, C2, C3, C4, C5, C6 and C7 are compared. The area of C2 is greater than C5 and less than C1. The area of C4 is greater than C7 and less than C6. The area of C5 is more than C6. If the area of C7 is the lowest, then which of the following options is correct?

(a) C5 < C4

(b) C3 > C6

(c) C4 > C1

(d) C4 > C2

Answer: (b)

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.

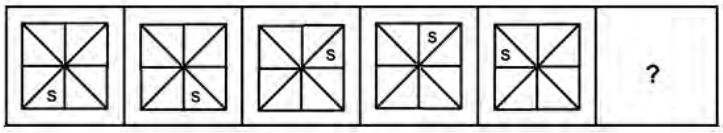
POEM : TSIQ :: HINT : ?

(a) LMRX
(b) LMRS
(c) LNRX
(d) LNSX

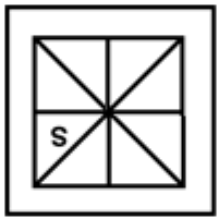
Answer: (a)

13.

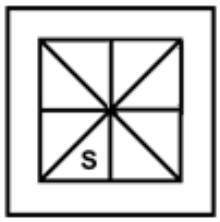
Select the figure from among the given options that can replace the question mark (?) in the following series.



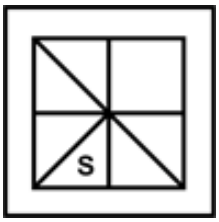
(a)



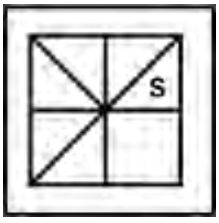
(b)



(c)



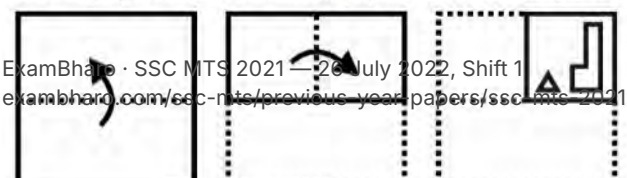
(d)



Answer: (a)

14.

The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?



(a)



(b)



(c)



(d)



Answer: (d)

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

× and ÷ 35 + 5 ÷ 4 × 2 – 15 = ?

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

Answer: (c)

16. In a certain code language, 'WATER' is written as 'XBUFSVZSDQ' and ‘MINOR’ is written as ‘NJOPSLHMNQ’. How will 'ROSES' be written in that language?

(a) EOQTUSPRNM
(b) EOTQUMNRSP
(c) SQPNTRFDTR
(d) SPTFTQNRDR

Answer: (d)

17. In a certain code language, 'TIN' is coded as '27', and 'GO' is coded as '8'. How will 'PALE' be coded in that language?

(a) 48
(b) 125
(c) 64
(d) 36

Answer: (c)

18. Select the number from among the given c[illegible] that can replace the question mark (?) in the following series.

13, 39, 156, 780, ?

(a) 4460
(b) 4580
(c) 4680
(d) 4660

Answer: (c)

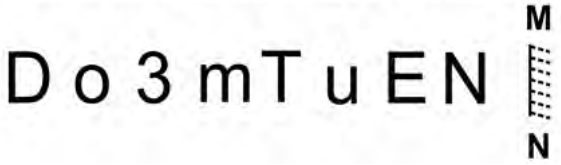
19. In a certain code language, '752' means 'copper is strong', '276' means 'iron is strong' and '365' means 'iron and copper'. Find the code for 'and'.

(a) 6
(b) 3
(c) 2
(d) 5

Answer: (b)

20.

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



(a)



(b)



(c)



(d)



Answer: (b)

21. Which two numbers (not digits) should be interc ıged to make the following equation correct?

21 × 3 − 10 + 4 ÷ 7 = 5

(a) 21 and 4

(b) 4 and 7

(c) 21 and 3

(d) 3 and 7

Answer: (a)

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

B, H, M, Q, T, ?

(a) V

(b) U

(c) X

(d) W

Answer: (a)

23. Select the option in which the two numbers are related in the same way as are the numbers in the given number pair.

32 : 85

(a) 42 : 75

(b) 28 : 91

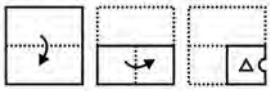
(c) 38 : 77

(d) 24 : 77

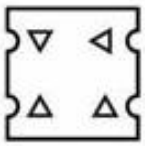
Answer: (d)

24.

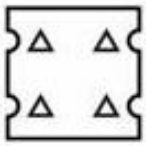
The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?



(a)



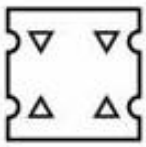
(b)



(c)



(d)



Answer: (d)

25. Select the option that is related to the fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster.

ABC2 : HIJ9 :: DEF5 : KLM12 :: OPQ16 : ?

(a) UVW23

(b) VWX23

(c) VWX22

(d) UVW22

Answer: (b)

Numerical Aptitude

1.

The selling price of 15 oranges is the same as the cost price of 19 oranges. What is the approximate profit percentage?

(a)

15.34%

(b)

18.75%

(c)

32.5%

(d)

26.67%

Answer: (d)

2.

At an event there are 500 guests, among whom 28% are adult males, 64% are adult females, and the rest are children. Find the total number of children at the event.

(a)

55

(b)

45

(c)

40

(d)

50

Answer: (c)

3.

What is the average of the first 50 positive even numbers?

(a)

50.5

(b)

50

(c)

51

(d)

51.5

Answer: (c)

5.

S_1 and S_2 can do a piece of work together in 18 days,S_2 and S_3 can do the same work together in 27 days, whileS_3 and S_1 can do it together in 54 days. In how many days can all 3, working together, do 50% of the work?

(a)

8 days

(b)

6 days

(c)

7 days

(d)

9 days

Answer: (d)

7.

A policeman spots a thief at a distance of 200 m and starts chasing him. While the policeman runs at a speed of 9 km/h, the thief runs at a speed of 7 km/h. After how long will the policeman catch the thief?

(a)

6 minutes

(b)

3 minutes

(c)

10 minutes

(d)

5 minutes

Answer: (a)

8.

Find the curved surface area of a cone whose radius of base is 7 cm and slant height is 8 cm. [Use $\pi = \frac{22}{7}$]

(a)

$132\ cm^2$

(b)

$198\ cm^2$

(c)

$154\ cm^2$

(d)

$176\ cm^2$

Answer: (d)

9.

The average of P1, P2 and P3 is 50. If the value of P1 is half of the average, then what is the average of P2 and P3?

(a)

55

(b)

57.5

(c)

63.5

(d)

62.5

Answer: (d)

10.

Simplify the following expression.

$25 + 12 - 2 + \{(4 \div 2)\}$

(a)

42

(b)

37

(c)

35

(d)

44

Answer: (b)

12.

What is the value of $14\frac{2}{7}\%$ of 301 + 12.5% of 184?

(a)
64
(b)
70
(c)
66
(d)
68

Answer: (c)

13.

Study the given table and answer the following question.

Population data from a village in five consecutive years

YEARS	POPULATION	Man : Woman
2000	143	7 : 4
2001	145	3 : 2
2002	128	5 : 3
2003	136	9 : 8
2004	150	13 : 12

As per the data above, the number of men in 2003 is what percentage more [illegible]at percentage less than the number of women in the same year?

(a)
15% more
(b)
12.5% more
(c)
12.5% less
(d)
15% less

Answer: (b)

14.

The value of $[50 - 6\,(6 + 1)] \div 8 + 18$ is:

(a)

18

(b)

17

(c)

19

(d)

20

Answer: (c)

16.

Two successive discounts of 20% and 30% are given while selling an item. What is the ratio of the marked price to the selling price of the item?

(a)

25 : 11

(b)

25 : 14

(c)

28 : 17

(d)

27 : 16

Answer: (b)

17.

The diameter of a circle is $\frac{7}{4}$ times of the base of a triangle, and the height of the triangle is 14 cm. If the area of the triangle is 56 cm^2, then what is the circumference (in m) of the circle? (Use $\pi = \frac{22}{7}$)

(a)

0.44 m

(b)

2.46 m

(c)

0.48 m

(d)

1.74 m

Answer: (a)

18.

Find the time taken by a boat to travel 80 km with the current, if the speed of the boat in still water is 14 km/h and the speed of the current is 6 km/h.

(a)

6 h

(b)

4.5 h

(c)

5 h

(d)

4 h

Answer: (d)

20.

The average of 4 consecutive numbers is 64.5. What is the largest number among these numbers?

(a)

62

(b)

60

(c)

67

(d)

66

Answer: (d)

21.

A certain sum of money amounts to 3 times of itself in 13 years when interest is compounded annually at a certain rate of interest per annum. In how many years will the initial sum amount to 9 times of itself at the same rate of interest per annum, also compounded annually?

(a)

32 years

(b)

26 years

(c)

30 years

(d)

20 years

Answer: (b)

22.

Which of the following is the greatest?

2 : 5, 1 : 2, 8 : 15, 3 : 5

(a)

8 : 15

(b)

3 : 5

(c)

1 : 2

(d)

2 : 5

Answer: (b)

23.

Four years ago, Shyam's age was $\frac{3}{4}$ times that of Ram. Four years hence, Shyam's age will be $\frac{5}{6}$ times that of Ram. What is the present age of Shyam?

(a)

24 years

(b)

20 years

(c)

16 years

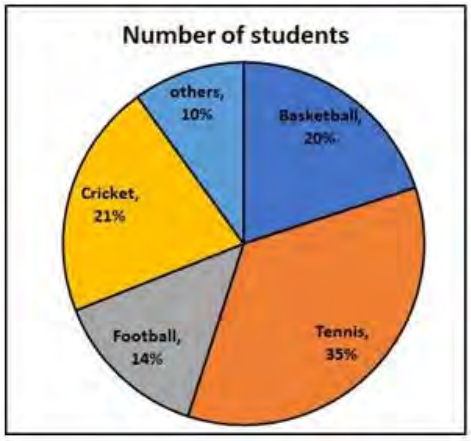
(d)

15 years

Answer: (c)

24.

The following pie chart shows the percentage number of students who play different sports.



If the total number of students are 500, then how many students play cricket?

(a)

125

(b)

95

(c)

105

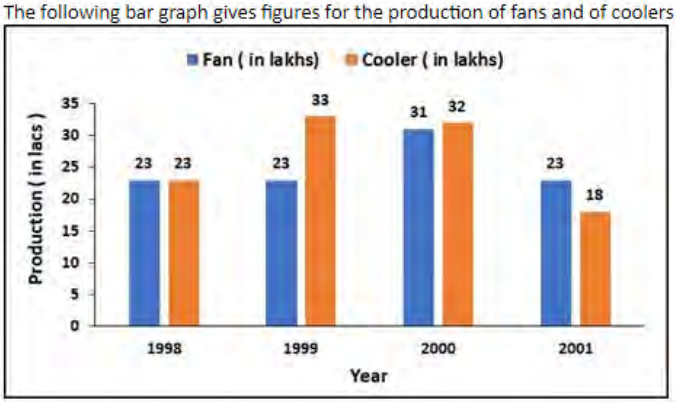
(d)

115

Answer: (c)

25.

The following bar graph gives figures for the production of fans and of coolers by a large company in four consecutive years.



Calculate the ratio of the number of fans produced in 1998 to the number of coolers produced in 2001.

(a)

23 : 18

(b)

32 : 18

(c)

23 : 21

(d)

18 : 23

Answer: (a)

General Awareness

1. The reaction between an acid and a base salt and water is called _____.

(a) neutralisation reaction

(b) combination reaction

(c) displacement reaction

(d) decomposition reaction

Answer: (a)

2. Who among the following was the first Mauryan ruler who tried to spread his message to the people through inscriptions?

(a) Chandragupta

(b) Ashoka

(c) Brihadratha

(d) Bindusara

Answer: (b)

3. The book ‘The Immortals of Meluha’ has been written by _____.
   (a) Amish Tripathi
   (b) Salman Rushdie
   (c) Ruskin Bond
   (d) Aravind Adiga
   Answer: (a)

4. The Behdienkhlam festival is primarily celebrated in the state of:
   (a) Uttar Pradesh
   (b) West Bengal
   (c) Meghalaya
   (d) Jharkhand
   Answer: (c)

5. India got its central bank in _____.
   (a) 1935
   (b) 1937
   (c) 1940
   (d) 1942
   Answer: (a)

6. Which of the following is an example of a fibre cror
   (a) Mango
   (b) Hemp
   (c) Rubber
   (d) Coffee
   Answer: (b)

7. Which country won the maximum number of medals at 2020 Summer Olympic Games (played in 2021)?
   (a) United States of America
   (b) People’s Republic of China
   (c) Japan
   (d) Great Britain
   Answer: (a)

8. Mehrunnisa married Emperor Jahangir in _____.
   (a) 1620
   (b) 1602
   (c) 1611
   (d) 1603
   Answer: (c)

9. Shyam is suffering from Beriberi. This is because he has a deficiency of _____.
   (a) Vitamin A
   (b) Vitamin K
   (c) Vitamin B
   (d) Vitamin C
   Answer: (c)

10. Which of the following musical instruments is Ustad Zakir Hussain primarily associated with?
   (a) Harmonium
   (b) Tabla
   (c) Santoor
   (d) Flute
   Answer: (b)

11. Which of the following states has the highest sex ratio in India according to Census 2021?
   (a) Andhra Pradesh
   (b) Kerala
   (c) Tamil Nadu
   (d) Manipur
   Answer: (b)

12. Which freedom fighter abolished the Zamindari Sy m in Uttar Pradesh and was elected as the Home Minister in 1955?
   (a) Lala Hardayal
   (b) Govind Ballabh Pant
   (c) Gopal Krishna Gokhale
   (d) Jyotiba Phule
   Answer: (b)

13. Growth rate of population refers to the:
   (a) difference between birth rate and GDP
   (b) addition of birth rate and death rate
   (c) difference between birth rate and death rate
   (d) difference between death rate and GDP
   Answer: (c)

14. The climate of India is described as which of the following types?
   (a) Mediterranean
   (b) Temperate
   (c) Monsoon
   (d) Polar
   Answer: (c)

15. Which of the following teams won the Syed Mushtaq Ali (cricket) Trophy, 2021-22?

(a) Uttar Pradesh
(b) Tamil Nadu
(c) Baroda
(d) Karnataka

Answer: (b)

16. In 1590, the Govind Deva temple of Vrindavan, near Mathura was constructed from _____ sandstone.

(a) yellow
(b) black
(c) white
(d) red

Answer: (d)

17. Over which state in India does the Mahanadi basin NOT extend?

(a) Chhattisgarh
(b) Uttar Pradesh
(c) Jharkhand
(d) Odisha

Answer: (b)

18. Which of the following dance forms of India is associated with Rajasthan?

(a) Kalbelia
(b) Kathak
(c) Bharatanatyam
(d) Odissi

Answer: (a)

19. All of the following are freedom fighters of India who were hanged to death on 23 March 1931 in the Lahore conspiracy case, EXCEPT _____.

(a) Sukhdev
(b) Rajguru
(c) Mahatma Gandhi
(d) Bhagat Singh

Answer: (c)

20. Sameer wants to contest Lok Sabha elections in India. At what age can he do that?

(a) 18 years
(b) 25 years
(c) 21 years
(d) 30 years

Answer: (b)

21. Nirmala Sitharaman launched the Tejasvini scheme for the people of _____ in November 2021.
    (a) Rajasthan
    (b) Punjab
    (c) Karnataka
    (d) Jammu and Kashmir
    Answer: (d)

22. Athlete's foot is a disease caused by _____.
    (a) virus
    (b) bacteria
    (c) genetic disorder
    (d) fungi
    Answer: (d)

23. Which article of the Indian Constitution provides freedom to manage religious affairs?
    (a) Article 21
    (b) Article 26
    (c) Article 20
    (d) Article 23
    Answer: (b)

24. Who among the following was crowned Miss Univ e, 2021?
    (a) Adline Castelino
    (b) Andrea Meza
    (c) Nadia Ferreira
    (d) Harnaaz Sandhu
    Answer: (d)

25. Who among the following is India’s last living Sadhir dancer, honoured with Padma Shri in 2022?
    (a) R Muthukannammal
    (b) Manjamma Jogati
    (c) Rukmini Devi Arundale
    (d) Baisali Mohanty
    Answer: (a)

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

General Intelligence and Reasoning

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

Numerical Aptitude

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

General Awareness

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