PREVIOUS YEAR PAPER

SSC MTS 2021 — 20 July 2022, Shift 3

SSC MTS & Havaldar · 20 July 2022 · 5:00 PM - 6:30 PM

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

Left out of the original paper: 4 (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, 5:00 PM - 6:30 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-3/

General English

1. Select the correctly spelt word.

(a) Discern
(b) Harrass
(c) Reppercusions
(d) Appealling

Answer: (a)

2. 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.

I seen a beautiful dress in the market yesterday.

(a) I seen a
(b) the market yesterday
(c) beautiful dress in
(d) No error

Answer: (a)

3. Select the correctly spelt word.

(a) Disturbence
(b) Implecate
(c) Miniature
(d) Patinece

Answer: (c)

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

Inception

(a) Termination
(b) Regression
(c) Launch
(d) Beginning

Answer: (a)

5. Select the most appropriate ANTONYM of the underlined word.

It is a benign cyst and requires no treatment.

(a) Mellow
(b) Violent
(c) Delicate
(d) Gracious

Answer: (b)

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

Unique

(a) Typical
(b) Regular
(c) Divine
(d) exclusive

Answer: (d)

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

Barking up the wrong tree

(a) Pursue a course of action that will most likely b futile
(b) Make an enemy of someone
(c) Respectfully disagree with someone
(d) Pursue one's agenda

Answer: (a)

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

They left the car by the aside of the road and venture toward the forest.

(a) the side of the road and ventured into
(b) the alongside of the road and ventured to
(c) an aside of road and ventured to
(d) No improvement required

Answer: (a)

9. Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.

His grandfather finds a tiny tiger cub in the forest and brought his home.

(a) brings it home
(b) bringing home
(c) bring it home
(d) No substitution required

Answer: (a)

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

Success in any field depends _____ hard work and determination.

(a) with
(b) for
(c) on
(d) in

Answer: (c)

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

Add fuel to the fire

(a) Encourage someone to do right
(b) Add wrong ingredients
(c) To abuse someone
(d) Worsen an already bad situation

Answer: (d)

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

Several pictures and videos have been circulating _____ social media featuring her.

(a) by
(b) of
(c) to
(d) on

Answer: (d)

13. 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.

Mylar balloons cause power outages when they come of contact with power lines.

(a) Mylar balloons cause power outages
(b) with power lines
(c) when they come of contact
(d) No error

Answer: (c)

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

Only 30 per cent worked in companies where paternity leave was an _____.

(a) Acknowledgement
(b) Entitlement
(c) Enforcement
(d) Employment

Answer: (b)

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

A nine-judge bench of the Supreme Court unanimously held that Indians have a/an _____ protected fundamental right to privacy.

(a) permeably
(b) constitutionally
(c) indigenously
(d) unethically

Answer: (b)

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

Enthrall

(a) Deceive
(b) Repulse
(c) Forgive
(d) Captivate

Answer: (d)

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

One who is outspoken and outgoing

(a) Psychic
(b) Extrovert
(c) Heroic
(d) Flamboyant

Answer: (b)

18. 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.

Its always a / beautiful day / in my neighbourhood.

(a) beautiful day
(b) Its always a
(c) in my neighbourhood
(d) No error

Answer: (b)

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

The toast will being ready in about 15 minutes.

(a) are being ready
(b) No improvement required
(c) will been readily
(d) will be ready

Answer: (d)

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

Exclusion

(a) Discharge
(b) Commotion
(c) Wreck
(d) Admittance

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.
>
> Apart from other pollutions, noise pollution – also kno as environmental noise or sound pollution – is (1) _____ issue related to human beings and the envi ment. It may have an (2) _____ on general health. Compressors, generators and pipe handling the (3) _____ of noise. Long-term (4) _____ to noise can (5) _____ a variety of health haz

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

(a) other
(b) another
(c) once
(d) one's

Answer: (b)

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

(a) impact
(b) issue
(c) problem
(d) interest

Answer: (a)

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

(a) rise
(b) effects
(c) sources
(d) original

Answer: (c)

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

(a) closure
(b) exposure
(c) safety
(d) vicinity

Answer: (b)

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

(a) record
(b) cause
(c) mould
(d) target

Answer: (b)

General Intelligence and Reasoning

2. Which two numbers (not digits) should be interch ged to make the following equation correct?

(4 × 12 + 15) ÷ 8 – 9 = 0

(a) 12 and 15
(b) 4 and 8
(c) 12 and 8
(d) 8 and 9

Answer: (a)

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

21, 22, 44, 47, 188, ?

(a) 189
(b) 193
(c) 658
(d) 940

Answer: (b)

4.

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



(a)



(b)



(c)



(d)



Answer: (d)

5. 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.

KNA : PMZ :: RSV : ?

(a) IHE

(b) IJE

(c) IJF

(d) IHF

Answer: (a)

6. In a certain code language, 'ROM' is coded as '43', and 'ABK' is coded as '11'. How will 'PNB' be coded in that language?

(a) 31

(b) 29

(c) 30

(d) 32

Answer: (b)

7. Select the option in which the numbers are related in the same way as are the numbers in 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 /deleting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)

(18, 36, 72) (16, 32, 64)

(a) (24, 48, 96)

(b) (32, 96, 128)

(c) (14, 28, 54)

(d) (38, 76, 162)

Answer: (a)

8. 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.

ABC6 : DEF15 :: GHI24 : JKL33 :: PQR51 : ?

(a) STU60

(b) STU58

(c) TUV59

(d) TUV60

Answer: (a)

9. In a certain code language, 'MK - SP' is coded as '–605', and 'AB - TF' is coded as '– 194'. How will 'GM - HK' be coded in that language?

(a) –72

(b) –84

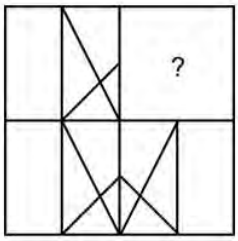
(c) –98

(d) –106

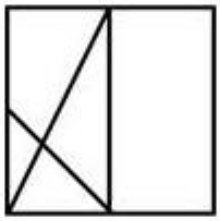
Answer: (c)

10.

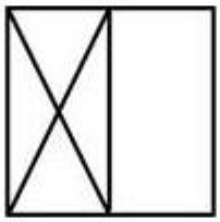
Select the figure from the options that can replace the question mark (?) and complete the given pattern (rotation is not allowed).



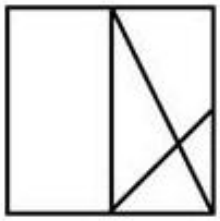
(a)



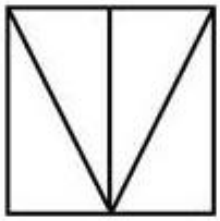
(b)



(c)



(d)



Answer: (a)

11.

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



(a)



(b)



(c)



(d)



Answer: (a)

12. Select the option that is related to the s[illegible] nu[illegible]r in the same way as the first number is related to the second number and the third n[illegible]s related to the fourth number.

(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /deleting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)

11 : 169 :: 13 : 225 :: ? : 361

(a) 17

(b) 19

(c) 21

(d) 15

Answer: (a)

13. In a certain code language, 'COVER' is coded as '63', 'BASIS' is coded as '50', and 'WISH' is coded as '59'. How will 'GREECE' be coded in that language?

(a) 42

(b) 52

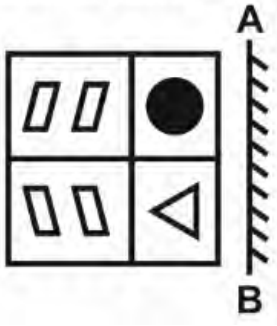
(c) 43

(d) 58

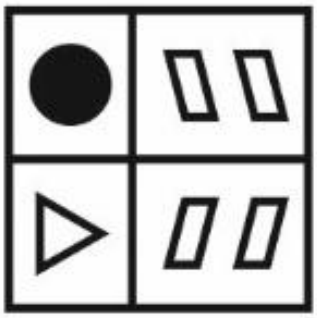
Answer: (c)

14.

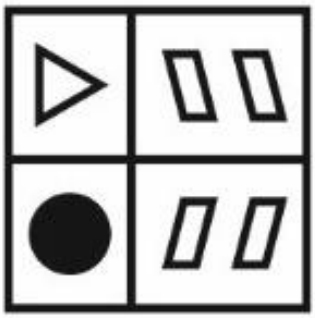
Select the correct mirror image of the given figure when the mirror is placed at AB as shown.



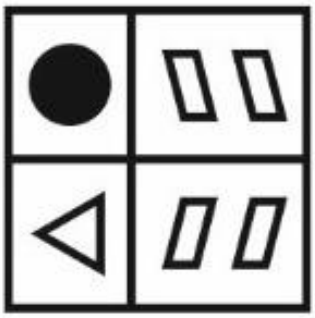
(a)



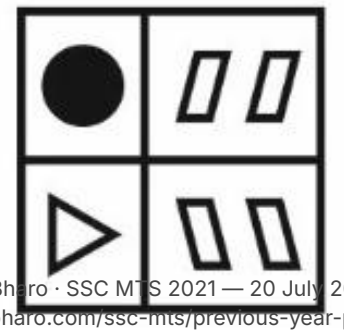
(b)



(c)



(d)



Answer: (a)

15. Identify the number that does NOT belong to the following series.

16, 34, 52, 72, 88, 106

(a) 72
(b) 34
(c) 88
(d) 52

Answer: (a)

16. Seven girls G1, G2, G3, G4, G5, G6 and G7 are sitting around a circular table facing the centre (not necessarily in the same order). G6 is second to the left of G1. G7 is second to the left of G6. G5 is third to the right of G2. G5 is not the immediate neighbour of G6. G4 is third to the right of G3. Who is second to the left of G7?

(a) G2
(b) G1
(c) G4
(d) G3

Answer: (d)

17. Among seven friends Akash, Biraj, Chandan, Dharmesh, Imran, Faisal and Gautam, Biraj is taller than only Dharmesh. Only one person is taller than Fa[illegible]. The height of exactly two friends lies in between that of Akash and Chandan. Imran is taller t[illegible] Gautam. Who is the third tallest person in the group?

(a) Gautam
(b) Imran
(c) Faisal
(d) Dharmesh

Answer: (b)

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

YZ, BCD, FGHI, ?, QRSTUV

(a) JKLMN
(b) LMNOP
(c) KLMNO
(d) JKLM

Answer: (c)

19. M, N, O, P and Q are standing in a queue to place their order in a restaurant. Only P is standing between M and Q. O is ahead of only N. Who is standing second in the line if there is no other person in the queue?

(a) O
(b) P
(c) Q
(d) M

Answer: (b)

20. What will come in the place of '?' in the following equation, if '×' and '–' are interchanged and also '+' and '÷' are interchanged?

40 + 10 – 5 × 4 ÷ 5 = ?

(a) 24
(b) 22
(c) 28
(d) 21

Answer: (d)

21. 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. Some cars are bikes.
II. No truck is a car.

Conclusions: I. All trucks are bikes. II. All bikes are cars.
III. All cars are trucks.

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

Answer: (a)

22. 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.

MJO : NQQ :: TRA : ?

(a) GIC
(b) HIB
(c) HIC
(d) GIB

Answer: (a)

23. In a certain code language, 'ACCIDENT' is written as 'JDDBUOFE', 'ABSOLUTE' is written as 'PTCBFUVM', and 'ACCURATE' is written as 'VDDBFUBS'. How will 'SENTENCE' be written in that language?

(a) GHJKSDFT

(b) TNESDDND

(c) UOFTFDOF

(d) UFPTEDOE

Answer: (c)

24.

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



(a)



(b)



(c)



(d)



Answer: (a)

25. 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. No X is G. II. All B are X.

Conclusions: I. Some G are B. II. All X are B.

(a) Both conclusions I and II follow

(b) None of the conclusions follow

(c) Only conclusion II follows

(d) Only conclusion I follows

Answer: (b)

Numerical Aptitude

1.

The average marks scored by F_1 and F_2 is 40 more than the average marks scored by F_2 and F_3. If the marks scored by F_3 is 90, then what is the marks obtained by F_1?

(a)

130

(b)

140

(c)

160

(d)

170

Answer: (d)

2.

If $25 : x :: x : \frac{81}{4}$, find the value of x, if $x > 0$.

(a)

20.5

(b)

22.5

(c)

25.0

(d)

25.2

Answer: (b)

3.

If $P = 12 \div 6 - 2$, $Q = 8 \div 2 - 3$, and $R = 18 \div 9 + 5$, then what is the value of $P + R \times Q$?

(a)

9

(b)

7

(c)

8

(d)

6

Answer: (b)

4.

A sum of money, when invested at the rate of 15% per annum at simple interest, amounts to ₹26,000 in 2 years. What is the simple interest that accrued during these 2 years?

(a)

₹7,500

(b)

₹6,000

(c)

₹6,500

(d)

₹8,800

Answer: (b)

5.

The average of a set of ten numbers is 40. If a number is removed from the set, then the average of the remaining numbers becomes 38. What was the number that was removed?

(a)

42

(b)

54

(c)

60

(d)

58

Answer: (d)

6.

If $3a : 2b = (6a - 3) : (3b - 2)$ and $a = b - 1$, then what will be the value of $12ab$?

(a)
28

(b)
24

(c)
30

(d)
32

Answer: (b)

7.

The cost price of a chair is three times of the profit earned on selling the chair. What is the approximate profit percentage gained through the sale?

(a)
45%

(b)
33.33%

(c)
25%

(d)
20%

Answer: (b)

8.

Prakhar scored 82% marks in an examination. If he scored 656 marks, then what are the total marks of the examination?

(a)
800

(b)
700

(c)
680

(d)
760

Answer: (a)

9.

Riya and George start walking towards each other from their houses at the speeds of 6 km/h and 8 km/h, respectively. After how long will they meet if the distance between their houses is 28 km.

(a)

5 h

(b)

1.5 h

(c)

3 h

(d)

2 h

Answer: (d)

11.

A fruit seller initially had 'm' kg of apples. He sold 56% of these apples to a customer and was still left with 110 kg of apples. What is the value of 'm'?

(a)

250

(b)

220

(c)

200

(d)

280

Answer: (a)

12.

The average of 30 numbers is 36. If Z is subtracted from each of these 30 numbers, then the average becomes 28. What is the value of Z?

(a)

2

(b)

8

(c)

6

(d)

4

Answer: (b)

13.

A car starts at a speed of 30 km/h and increases its speed by 5 km/h after every hour. Another car has a constant speed of 40 km/h. In how much time will both the cars cover an equal distance?

(a)

6 hours

(b)

3 hours

(c)

5 hours

(d)

4 hours

Answer: (c)

14.

A camp of soldiers has food for 400 days. After 40 days, 150 soldiers leave the camp. As a result, the food can last for 480 days from then onwards. What was the initial number of soldiers?

(a)

750

(b)

600

(c)

450

(d)

900

Answer: (b)

15.

Meena scored 303 runs against England, in which she hit 32 fours and 4 sixes. What approximate percentage of the total runs were scored by Meena by running between the wickets?

(a)

46.24%

(b)

49.83%

(c)

31.24%

(d)

47.23%

Answer: (b)

16.

A work could be completed in 100 days by some workers. Due to the absence of 16 workers, the work was completed in 108 days. Find the original number of workers.

(a)

204

(b)

254

(c)

226

(d)

216

Answer: (d)

17.

The value of $(799 \times 48 \div 282) - 11 \times 12$ is:

(a)

4

(b)

6

(c)

12

(d)

7

Answer: (a)

18.

The HCF and the LCM of two numbers are 35 and 840, respectively. If the ratio of the two numbers is 3 : 8, then the smaller of the two numbers is:

(a)

35

(b)

280

(c)

105

(d)

210

Answer: (c)

19.

The sum of the radius of the base and the height of a cylinder is 55 cm. If the height of the cylinder mentioned above is 15 cm more than the radius of its base, then what is the curved surface area of this cylinder? [Use $\pi = \frac{22}{7}$]

(a)

$2200\ cm^2$

(b)

$3500\ cm^2$

(c)

$2800\ cm^2$

(d)

$4400\ cm^2$

Answer: (d)

20.

The following table shows the number of parks in four cities of India.

City	Number of parks
Delhi	346
Jaipur	247
Mumbai	326
Kolkata	421

The number of parks in Delhi is what percentage of the total number of parks in all the four citi en together? [Give your answer correct to 1 decimal place.]

(a)

32.2%

(b)

25.8 %

(c)

28.7%

(d)

26.4%

Answer: (b)

21.

The area of a trapezium is 100 cm^2. If the distance between the parallel sides of the trapezium is 10 cm, then what is the sum of the lengths of the two parallel sides?

(a)

18 cm

(b)

20 cm

(c)

15 cm

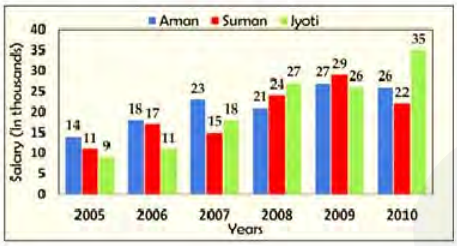
(d)

10 cm

Answer: (b)

22.

The following bar graph shows the monthly incomes (in thousand rupees) of Aman, Suman and Jyoti in six consecutive years.



What was the difference between the average monthly income of Jyoti ove .he six years taken together and Aman's monthly income in the year 2006?

(a)

₹3000

(b)

₹3500

(c)

₹4000

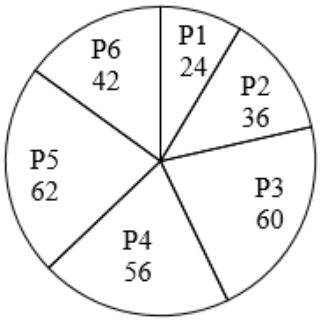
(d)

₹4500

Answer: (a)

23.

The following pie chart shows the actual number (in '000) of books printed in a year by 6 different publishers.



What is the sum of the central angles made by sector P4 and sector P6?

(a)

108°

(b)

90°

(c)

126°

(d)

144°

Answer: (c)

24.

The marked price of a cup is 20% more than its cost price. What can be the maximum discount given while selling the cup so that there is no loss incurred? [Give your answer correct to 2 decimal places.]

(a)

14.28%

(b)

14.5%

(c)

16.67%

(d)

20%

Answer: (c)

25.

Half of the perimeter of a square is 50 cm. What is the length of each side of the square?

(a)

15 cm

(b)

30 cm

(c)

25 cm

(d)

20 cm

Answer: (c)

General Awareness

1. The Tamil Nadu coast gets a large portion of its rain during _____.

(a) October and November

(b) August and September

(c) December and January

(d) February and March

Answer: (a)

3. _____ is known as the energy currency of the cell

(a) DNA

(b) ADP

(c) ATP

(d) RNA

Answer: (c)

4. Earthworm belongs to which group of animal kingdom?

(a) Annelida

(b) Mollusca

(c) Arthropoda

(d) Nematoda

Answer: (a)

5. Who among the following has received the prestigious Bharat Ratna Dr Ambedkar Award 2021?

(a) Sana Saeed

(b) Harshaali Malhotra

(c) Arjun Rampal

(d) Jagannath Nivangune

Answer: (b)

6. An alliance formed by political parties after elections when no party has been able to get adequate seats to form a clear majority is called _____.

(a) coalition
(b) appropriation
(c) allegiance
(d) prorogation

Answer: (a)

7. According to the Indian Constitution, all are fundamental rights, EXCEPT:

(a) right against exploitation
(b) right to property
(c) right to equality
(d) right to freedom

Answer: (b)

8. _____ in Gujarat was the emporium of western trade during the Mughal Period.

(a) Navsari
(b) Narmada
(c) Porbandar
(d) Surat

Answer: (d)

9. Manish Pandey played for which team in IPL 2022

(a) Sunrisers Hyderabad
(b) Lucknow Super Giants
(c) Gujarat Titans
(d) Delhi Capitals

Answer: (b)

10. In November 2021, who launched Tejasvini and Hausala schemes in Jammu?

(a) Rajnath Singh
(b) Nirmala Sitharaman
(c) Narendra Modi
(d) Amit Shah

Answer: (b)

11. Nati is a folk dance of which Indian state?

(a) Himachal Pradesh
(b) Bihar
(c) Kerala
(d) Nagaland

Answer: (a)

12. According to the Census of India 2011, among all the states/UTs Kerala occupied the _____ position in terms of literacy.

(a) fifth
(b) third
(c) second
(d) first

Answer: (d)

13. Megasthenes, an ambassador, was sent to the court of _____ by the Greek ruler of West Asia, Seleucus Nicator.

(a) Bindusara
(b) Chandragupta
(c) Samprati
(d) Ashoka

Answer: (b)

14. Who wrote the book 'Gulamgiri'?

(a) Ishwar Chandra Vidyasagar
(b) Narayana Guru
(c) Jyotirao Phule
(d) Ghasidas

Answer: (c)

15. Mrinalini Sarabhai is known for which of the follo ng classical dance forms?

(a) Bharatanatyam and Kathak
(b) Kathak and Kathakali
(c) Bharatanatyam and Kathakali
(d) Kathak and Odissi

Answer: (c)

16. In India, which organisation is responsible for collecting data related to unemployment?

(a) NITI Aayog
(b) Securities and Exchange Board of India
(c) National Sample Survey Organisation
(d) Planning Commission

Answer: (c)

17. What is the atomic number of hydrogen in the Mendeleev's periodic table?

(a) 1
(b) 11
(c) 5
(d) 15

Answer: (a)

18. Who among the following Mughal rulers built the Agra Fort?
    (a) Babur
    (b) Shahjahan
    (c) Jahangir
    (d) Akbar
    Answer: (d)

19. Which of the following festivals is associated with Arunachal Pradesh?
    (a) Pongal
    (b) Ugadi
    (c) Wangala
    (d) Solung
    Answer: (d)

20. Which of the following football teams won the Indian Super League 2021-2022?
    (a) Kerala Blasters FC
    (b) ATK Mohun Bagan FC
    (c) Mumbai City FC
    (d) Hyderabad FC
    Answer: (d)

21. Which of the following Indian rivers is also referred to as 'Dakshin Ganga'?
    (a) Godavari River
    (b) Krishna River
    (c) Sutlej River
    (d) Mahanadi River
    Answer: (a)

22. According to their capacity, roads are classified into how many classes in India?
    (a) Five
    (b) Nine
    (c) Six
    (d) Three
    Answer: (c)

24. With which musical instrument is Hariprasad Chaurasia associated?
    (a) Sitar
    (b) Flute
    (c) Tabla
    (d) Santoor
    Answer: (b)

25. In which year did Mahatma Gandhi arrive in India from South Africa?

(a) 1911

(b) 1909

(c) 1913

(d) 1915

Answer: (d)

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

General Intelligence and Reasoning

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

Numerical Aptitude

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

General Awareness

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