PREVIOUS YEAR PAPER

SSC MTS 2021 — 6 July 2022, Shift 3

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

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

Left out of the original paper: 11 (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 6 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-2021-6-jul-shift-3/

General English

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

He said the cooperative will continue to invest _____ per its usual yearly rate.

(a) that
(b) so
(c) such
(d) as

Answer: (d)

2. Select the option that will improve the underlined p of the given sentence. In case no improvement is needed, select 'No improvement rec ed'.

In his memoir, Attenborough said that, "Lis ould ve been 11 if she was with us today."

(a) Attenborough said that, "Lisa will have b 1 if she were
(b) Attenborough said, "Lisa would have been 11 if she were
(c) Attenborough said, "Lisa would have been 11 if she was
(d) No improvement required

Answer: (b)

3. 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.

Young scientists have fresh ideas; they are ambitious and highly productive.

(a) and highly productive
(b) Young scientists have fresh ideas
(c) No error
(d) they are ambitious

Answer: (c)

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

The anti-terorist squod is investgating this case.

(a) The anti-terrorist squod is investigatng this case.
(b) The anti-terrorrist squad is invstigating this case.
(c) The anti-terroist squad is investegating this case.
(d) The anti-terrorist squad is investigating this case.

Answer: (d)

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

If I _____ a doctor, I would have treated you all.

(a) were
(b) would
(c) am
(d) could

Answer: (a)

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

He carries that sorrow with him now, just under the surface, almost tangible.

(a) Detectable
(b) Abstract
(c) Actual
(d) Distinct

Answer: (b)

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

These days, judging someone is easier then respecting them.

(a) is easier than
(b) is easiest than
(c) is more easier then
(d) No improvement required

Answer: (a)

8. Select the correctly spelt word.

(a) Assembly
(b) Asembly
(c) Asemmbly
(d) Assemmbly

Answer: (a)

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

To lead one by the nose

(a) To try again after failing at something
(b) To control someone completely
(c) To have the freedom to choose
(d) To be anxious to start something

Answer: (b)

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

Decay

(a) Disintegrate
(b) Growth
(c) Spoilage
(d) Breakdown

Answer: (b)

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

He learned to endure hunger and cold.

(a) Reconcile
(b) Persist
(c) Resist
(d) Sustain

Answer: (c)

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

My company beliefs that no one should turn up late for work.

(a) believing
(b) believes
(c) No improvement required
(d) belief

Answer: (b)

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

I am sorry of which my mother said.

(a) for what
(b) for which
(c) off that
(d) No improvement required

Answer: (a)

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

Play with fire

(a) To play a game honestly
(b) To do something risky
(c) To please someone
(d) To waste time on worthless things

Answer: (b)

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

Obstruct

(a) Replace
(b) Curb
(c) Release
(d) Unclog

Answer: (b)

17. 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.

Safety measures makes risky activities less risky.

(a) risky activities
(b) No error
(c) Safety measures makes
(d) less risky

Answer: (c)

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

The ocean waves swelled and reached _____ her head, and she started screaming.

(a) among
(b) upon
(c) above
(d) at

Answer: (c)

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

Human being are / the producers and the / consumers of Earth's / resources.

(a) Human being are
(b) resources
(c) the producers and the
(d) consumers of Earth's

Answer: (a)

20. Select the most appropriate synonym of the underlined word.

I don't know why she wears these eccentric outfits.

(a) Expensive
(b) Elegant
(c) Bizarre
(d) Lavish

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.
>
> Strong mental health is not just the (1) _____ of mental health problems. (2) _____ mentally or emotionally healthy is (3) _____ more than being free from depression, anxiety or other psychological issues. (4) _____ than the absence of mental illness, mental health (5) _____ to the presence of positive characteristics and positive outlook in life.

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

(a) adequacy
(b) absence
(c) attendance
(d) leave

Answer: (b)

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

(a) Being
(b) Been
(c) As
(d) Be

Answer: (a)

23. Select the most appropriate option to fill in blank number 3.
    (a) many
    (b) very
    (c) much
    (d) most
    Answer: (c)

24. Select the most appropriate option to fill in blank number 4.
    (a) Sooner
    (b) Neither
    (c) Rather
    (d) Whether
    Answer: (c)

25. Select the most appropriate option to fill in blank number 5.
    (a) names
    (b) means
    (c) resembles
    (d) refers
    Answer: (d)

General Intelligence and Reasoning

1. Select the option that is related to the fifth numbe[illegible] the same way as the second number is related to the first number and fourth numb[illegible] re[illegible]d to third 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)

139 : 228 :: 122 : 211 :: 2 : ?
    (a) 91
    (b) 198
    (c) 89
    (d) 189
    Answer: (a)

2. Which two numbers need to be interchanged to make the following equation correct?

42 × 15 ÷ 3 + 6 − 5 = 94
    (a) 15 and 5
    (b) 15 and 6
    (c) 5 and 3
    (d) 6 and 3
    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: All trousers are pants. All pants are clothes.

Conclusions:
I. Some clothes are trousers.
II. All pants are trousers.

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

Answer: (b)

4. 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.

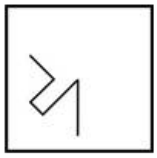
24 : 36 :: 38 : 57 :: 58 : ?

(a) 79
(b) 69
(c) 75
(d) 87

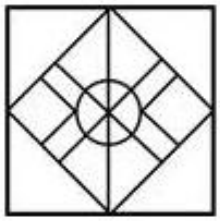
Answer: (d)

5.

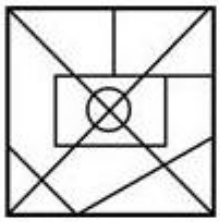
Select the option in which the given figure is embedded as its part (rotation is NOT allowed).



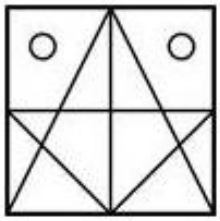
(a)



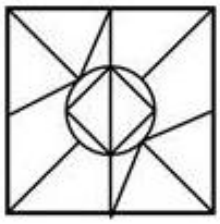
(b)



(c)



(d)



Answer: (a)

6. 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: No shirt is a pant. Some shirts are jackets. All jackets are trousers.

Conclusions:
I) Some shirts are trousers is a possibility.
II) No pant is a jacket.

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

Answer: (c)

7. In a certain code language, 'Trucks are heavy and good' is coded as '6 8 7 2 @', 'Weight lifts human heavy' is coded as '# % 4 8', and 'good are multiples' is coded as '@ pr 6'. What is can be the code for 'heavy good' in that language?

(a) 7 8
(b) 8 6
(c) 6 @
(d) 4 6

Answer: (b)

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.

Retina : Eye :: Pons : Brain :: Cochlea : ?

(a) Heart
(b) Ear
(c) Throat
(d) Nose

Answer: (b)

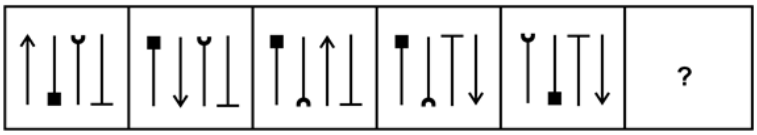
9. In a certain code language, 'Numbers are even' is coded as '5 3 +', and 'Odd factors are multiples' is coded as '+ 7 6 @'. What can be the code for 'even' in that code language?

(a) 6
(b) +
(c) 5 or 3
(d) 7

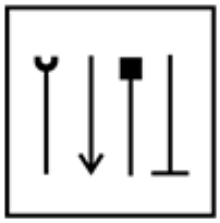
Answer: (c)

10.

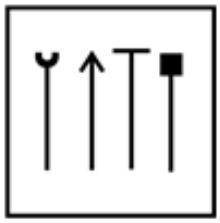
Select the figure from among the given options that can replace the question mark (?) in the following series.



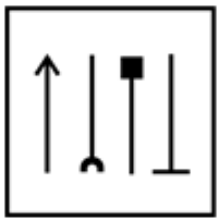
(a)



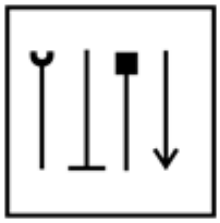
(b)



(c)



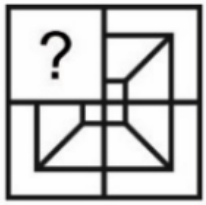
(d)



Answer: (d)

11.

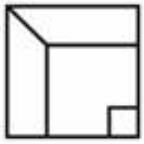
Select the figure from the options that can replace the question mark (?) and complete the pattern.



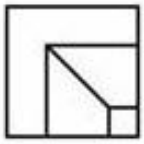
(a)



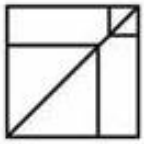
(b)



(c)



(d)



Answer: (c)

12. 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.

Book : Author :: Movie : Director :: Poem : ?

(a) Poet

(b) Singer

(c) Actor

(d) Dancer

Answer: (a)

13.

Select the figure from the given options that can replace the question mark (?) and complete the pattern.



(a)



(b)



(c)



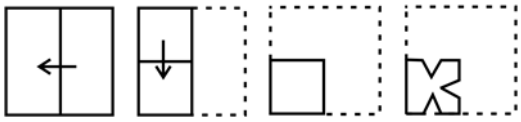
(d)



Answer: (c)

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: (b)

15. In a certain code language, if dress is called comb, comb is called hair dryer, hair dryer is called lipstick, lipstick is called sandal, and sandal is called jewellery, then what is used to colour the lips?

(a) Jewellery

(b) Comb

(c) Hair dryer

(d) Sandal

Answer: (d)

16. The heights of seven boys B1, B2, B3, B4, B5, B6 and B7 is compared. They all have different heights. B2 is taller than B1 and B6. B7 is shorter than B3 and B4 but taller than B5. B5 is taller than only three boys and B3 is the tallest. How many boys are shorter than B4 and taller than B2?

(a) 2

(b) 1

(c) 4

(d) 3

Answer: (a)

17. Seven friends, Parv, Qazi, Raees, Sushil, Tania, Uma, and Vishnu are sitting around a circular table facing the centre. Parv is immediate neighbour of both Tania and Sushil. Uma is immediate neighbour of both Qazi and Vishnu. Qazi is sitting second to the right of Tania. Who is sitting to the immediate left of Qazi?

(a) Raees

(b) Sushil

(c) Vishnu

(d) Uma

Answer: (a)

18. In a certain code language, 'TRAM' is written as 'UQBL' and ‘PAST’ is written as ‘QZTS’. How will 'DEED' be written in that language?

(a) FEDC

(b) EFCD

(c) CEFD

(d) EDFC

Answer: (d)

20. Select the set in which the numbers are related in the same way as are the numbers of the following sets. (NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /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.)

(13, 28, 86) (18, 38, 116)

(a) (10, 22, 68)

(b) (9, 18, 56)

(c) (8, 18, 54)

(d) (11, 24, 76)

Answer: (a)

21. 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.

POLE : SROH :: HAIR : ?

(a) KGLU
(b) KDLU
(c) KELU
(d) KDLV

Answer: (b)

22. Seven women A, B, C, D, E, F and G are sitting in a row facing the South (not necessarily in the same order). A is fifth to the right of G. A is at one of the ends. E is exactly in the middle of row. F is fourth to the right of G. B is not the immediate neighbour of E. D is to the immediate left of E. Which of the following statements is/are NOT correct? I. D is third to the left of F. II. F is sitting between C and D.

(a) Both I and II
(b) Only I
(c) Neither I nor II
(d) Only II

Answer: (d)

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

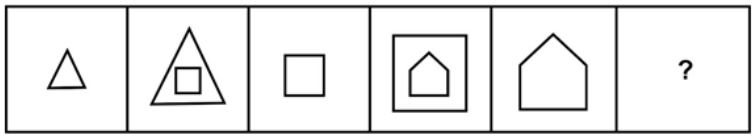
46, 93, 188, 379, 764, 1529

(a) 764
(b) 93
(c) 188
(d) 379

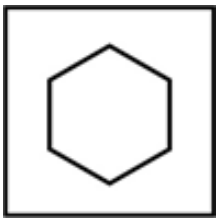
Answer: (a)

24.

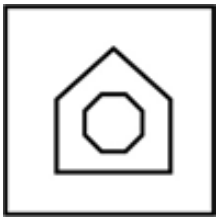
Select the figure from among the given options that can replace the question mark (?) in the following series.



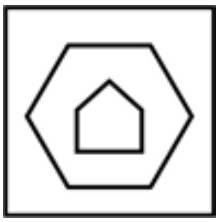
(a)



(b)



(c)



(d)



Answer: (d)

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

I, M, Q, U, ?, C

(a) W

(b) A

(c) V

(d) Y

Answer: (d)

Numerical Aptitude

1.

What approximate value should come in the place of the question mark '?' in the following equation?

$305.03 \div 61.09 \times 11.47 = ?$

(a)

57

(b)

47

(c)

12

(d)

63

Answer: (a)

2.

The average weight of 6 girls is increased by 2.5 kg when one of the girls whose weight is 38 kg is replaced by a new girl. Find the weight of the new girl.

(a)

58 kg

(b)

53 kg

(c)

49 kg

(d)

46 kg

Answer: (b)

3.

Find the area of a trapezium whose parallel sides are of length 15 cm and 20 cm, respectively, and whose distance between the parallel sides is 12 cm.

(a)

280 cm^2

(b)

210 cm^2

(c)

360 cm^2

(d)

120 cm^2

Answer: (b)

4.

What is the largest number that can exactly divide 403 and 496?

(a)
62

(b)
93

(c)
13

(d)
31

Answer: (d)

5.

Ravi sold a chair at a loss of 40%. The selling price of the chair is ₹900. What is the cost price of the chair?

(a)
₹1,260

(b)
₹1,500

(c)
₹1,800

(d)
₹1,660

Answer: (b)

6.

Two right circular cones of equal volumes have their heights in the ratio 4 : 9. What is the ratio of the radii of their bases, the cones coming in the same order as that in which the ratio of their heights is given?

(a)
3 : 2

(b)
9 : 4

(c)
2 : 3

(d)
4 : 9

Answer: (a)

7.

If 60% of G $= \frac{4}{5}$ of H, then G is approximately what percentage of H?

(a)
125%

(b)
115%

(c)
140%

(d)
133.33%

Answer: (d)

8.

The terms x – 1, x + 2, 3x + 5, and y are in proportion. Find the value of y if x = 5.

(a)
45

(b)
29

(c)
35

(d)
24

Answer: (c)

10.

The average age of 24 students in a class is 15 years. When the teacher's age is included, the average increases by 1. What is the teacher's age (in years)?

(a)
50

(b)
45

(c)
55

(d)
40

Answer: (d)

13.

The difference between the length and the breadth of a rectangle is 16 cm. If its perimeter is 188 cm, then what is its area?

(a)

$2100\ cm^2$

(b)

$2145\ cm^2$

(c)

$2050\ cm^2$

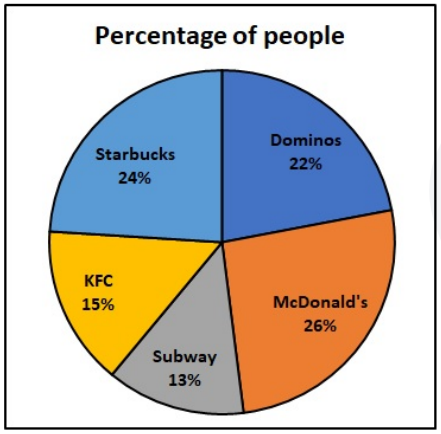
(d)

$2375\ cm^2$

Answer: (b)

15.

A survey was conducted among 3000 people to find the chain of cafes that was most popular. The following pie chart shows the distribution of the percentage of people according to the choice of their favourite cafe.



Find the ratio of the number of the people who selected the most popular among the given café chains as their favourite to the number of the people who selected the least popular among the given café chains as their favourite.

(a)

$2 : 1$

(b)

$1 : 3$

(c)

$1 : 2$

(d)

$3 : 1$

Answer: (a)

17.

A car travels the first half of a journey at a speed of 80 km/h and the next half of the journey at 100 km/h. What is the average speed of the car? [Give your answer correct to 2 places of decimal.]

(a)

88.89 km/h

(b)

92.29 km/h

(c)

82.28 km/h

(d)

45.41 km/h

Answer: (a)

20.

How much amount will be received on a principal of ₹10,000 at the rate of 12% per annum, compounded annually for 2 years?

(a)

₹13,526

(b)

₹11,526

(c)

₹13,446

(d)

₹12,544

Answer: (d)

23.

In a housing society, the ratio of two-wheelers to four-wheelers is 11 : 9. Among the four-wheelers, one-fourth are petrol vehicles and the remaining 81 are diesel vehicles. How many two-wheelers are there in this housing society?

(a)

88

(b)

132

(c)

121

(d)

99

Answer: (b)

24.

By selling an article for ₹450, Riyan incurred a loss of 10%. At what price should he sell it to make a profit of 12%?

(a)

₹480

(b)

₹440

(c)

₹560

(d)

₹600

Answer: (c)

25.

The speed of a boat in still water is 16 km/h. the time taken by the boat to cover a distance of 18 km upstream is equal to the time taken by the boat to travel 30Km downstream. What is the speed of the stream?

(a)

4 km/h

(b)

7 km/h

(c)

5 km/h

(d)

6 km/h

Answer: (a)

General Awareness

1. In which state of India is Nishagandhi festival celebrated?

(a) Kerala

(b) Odisha

(c) Madhya Pradesh

(d) Rajasthan

Answer: (a)

2. The famous song 'Aye Mere Watan Ke Logo' was originally sung by _____.

(a) Shreya Ghoshal

(b) Arijit Singh

(c) Lata Mangeshkar

(d) Asha Bhosle

Answer: (c)

3. Who among the following took the title of 'Ghazi' after defeating Rana Sanga in the Battle of Khanwa in 1527?

(a) Babur
(b) Daulat Khan Lodhi
(c) Humayun
(d) Mahmud Shah I

Answer: (a)

4. Mona writes about an ocean that separates North America from Europe. Which ocean is it?

(a) Atlantic Ocean
(b) Arctic Ocean
(c) Indian Ocean
(d) Pacific Ocean

Answer: (a)

5. What is the term of State Legislative Assembly in India as per Indian Constitution?

(a) 7 years
(b) 4 years
(c) 5 years
(d) 3 years

Answer: (c)

6. With which Indian state is the 'Panthi' dance form ociated?

(a) Maharashtra
(b) Chhattisgarh
(c) Punjab
(d) Kerala

Answer: (b)

7. Which Mauryan ruler was called 'Amitrochates' by the Greeks?

(a) Samudragupta
(b) Chandragupta I
(c) Bindusara
(d) Kanishka

Answer: (c)

8. Which of the following Articles under Directive Principles of State Policy, in the Indian constitution provides the organisation of village panchayats?

(a) Article 60
(b) Article 50
(c) Article 30
(d) Article 40

Answer: (d)

9. According to the data from the economic think-tank, the Centre for Monitoring Indian Economy (CMIE), which of the following states witnessed the highest unemployment rate as of January 2022?

(a) Rajasthan
(b) Delhi
(c) Tripura
(d) Haryana

Answer: (d)

10. Who is the recipient of the Abhinandan Saroja National Award 2021 by the National Institute of Indian Classical Dance?

(a) Aparna Satheesan
(b) Prabhudeva
(c) Chaya Kumar
(d) Shovana Narayan

Answer: (a)

11. Choose the most reactive metal from the options given below.

(a) Copper
(b) Zinc
(c) Sodium
(d) Iron

Answer: (c)

12. Which of the following is an example of Mughal nitecture under Aurangzeb?

(a) Moti Masjid, Delhi
(b) Taj Mahal, Agra
(c) Jama Masjid, Delhi
(d) Qutab Minar, Delhi

Answer: (a)

13. Which of the following was set up in 1956 by the Indian government by nationalising all the existing private sector life insurance companies?

(a) New India Insurance Company of India Limited
(b) General Insurance Corporation
(c) Life Insurance Corporation of India
(d) United India Insurance Company Limited

Answer: (c)

14. Who among the following won a bronze medal in the Summer Olympics 2020 (played in 2021)?

(a) Ravi Dahiya
(b) Neeraj Chopra
(c) PV Sindhu
(d) Mirabai Chanu

Answer: (c)

15. India and Sri Lanka are joined by a group of islets forming _____.
    (a) Mahatma Gandhi Setu
    (b) Sisseri River Bridge
    (c) Bhupen Hazarika Bridge
    (d) Adam's Bridge
    Answer: (d)

16. Which of the following was a revolutionary organisation formed outside India in 1913?
    (a) Bharatiya Janata Party
    (b) Simon Commission
    (c) Ghadar Party
    (d) Indian National Congress
    Answer: (c)

17. Which animal was the official mascot of the ICC Cricket World Cup 2011?
    (a) Elephant
    (b) Horse
    (c) Lion
    (d) Tiger
    Answer: (a)

18. Which TMC candidate won the Asansol (West Ber) by-poll election in April 2022?
    (a) Mamata Banerjee
    (b) Agnimitra Paul
    (c) Shatrughan Sinha
    (d) Rahul Gandhi
    Answer: (c)

19. Which of the following ports is known as 'Diamond Harbour'?
    (a) Port Blair
    (b) Kochi
    (c) Kolkata
    (d) Mangalore
    Answer: (c)

20. Indian shooter and gold medallist Abhinav Bindra's autobiographical book is called _____.
    (a) Shots Fired
    (b) Hunting the Hard Way
    (c) Firing Point
    (d) A Shot at History
    Answer: (d)

21. Which of the following socio religious communities was founded by Raja Ram Mohan Roy?

(a) Akali Dal
(b) Prarthana Samaj
(c) Arya Samaj
(d) Brahmo Samaj

Answer: (d)

22. Which of the following is an example of Phylum Mollusca of the animal kingdom?

(a) Octopus
(b) Sea horse
(c) Dolphin
(d) King crab

Answer: (a)

23. According to the census 2011, which state is the most populous state in India?

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

Answer: (a)

24. The Delhi Municipal Corporation (Amendment) Bil J22 was proposed in Lok Sabha by the Ministry of _____.

(a) Law and Justice
(b) Defence
(c) Social justice and Empowerment
(d) Home Affairs

Answer: (d)

25. Which natural compound helps in photosynthesis of plants?

(a) Chlorophyll
(b) Glucose
(c) curcumin
(d) Lectin

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

General Intelligence and Reasoning

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

Numerical Aptitude

1	**(a)**	2	**(b)**	3	**(b)**	4	**(d)**	5	**(b)**	6	**(a)**
7	**(d)**	8	**(c)**	10	**(d)**	13	**(b)**	15	**(a)**	17	**(a)**
20	**(d)**	23	**(b)**	24	**(c)**	25	**(a)**				

General Awareness

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