PREVIOUS YEAR PAPER

SSC MTS 2021 — 21 July 2022, Shift 3

SSC MTS & Havaldar · 21 July 2022 · 5:00 PM - 6:30 PM

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

Left out of the original paper: 8 (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 21 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-2021-21-jul-shift-3/

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.

The young boy tried to jerk out of the way, / but she grabbed him and began / rubbing the tip of his nose to get the stain off.

(a) No error
(b) The young boy tried to jerk out of the way
(c) rubbing the tip of his nose to get the stain off
(d) but she grabbed him and began

Answer: (a)

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

Revile

(a) Silence
(b) Incite
(c) Discourage
(d) Abuse

Answer: (d)

3. Select the most appropriate meaning of the underlined idiom in the given sentence.

Stop flogging a dead horse and concentrate on your career.

(a) To waste time on useless things
(b) To go on trips repeatedly
(c) To fall in love quickly
(d) To make no progress

Answer: (a)

4. Select the INCORRECTLY spelt word.

(a) Autocrecy
(b) Bureaucracy
(c) Autonomy
(d) Anarchy

Answer: (a)

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

We need to _____ for next week, so are you in or out?

(a) make noise
(b) make a mess
(c) make plans
(d) make a mistake

Answer: (c)

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

The plants readily respond to these stimulus.

(a) readily respond to these stimuli
(b) ready respond to these stimuli
(c) readily responds to this stimulus
(d) No improvement required

Answer: (a)

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

Fright

(a) Dread
(b) Mockery
(c) Composure
(d) Bravery

Answer: (a)

8. Parts of the following sentence have been given as options. One of them contains an error. Select the part that contains the error from the given options.

We are all aware that our environment are not what it used to be.

(a) What it used to be
(b) We are all
(c) environment are not
(d) aware that our

Answer: (c)

9. Select the correctly spelt word.

(a) Escapeade
(b) Resonate
(c) Progresion
(d) Disccovery

Answer: (b)

10. 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.

Most of the carbon-trapping mechanisms / that we have identified are / based at limit studies.

(a) No error
(b) that we have identified are
(c) based at limit studies
(d) Most of the carbon-trapping mechanisms

Answer: (c)

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

Incapable of making mistakes or being wrong

(a) Fatalist
(b) Fanatic
(c) Infallible
(d) Cynic

Answer: (c)

12. Select the most appropriate meaning of the underlined idiom. Half a million dollars is only a drop in the bucket to what is required for this industry.

(a) An unreliable person
(b) unity and functioning together to achieve a goal
(c) A very small part of something big or whole
(d) a person or situation having no hope of positive change

Answer: (c)

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

This small hut is going to be my _____ for the next three days.

(a) legacy
(b) scout
(c) loaf
(d) abode

Answer: (d)

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

He believed that he had struck terror in his children's hearts because of his _____.

(a) love
(b) rage
(c) calmness
(d) fortune

Answer: (b)

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

Miss Samantha is at the _____ of her popularity.

(a) pick
(b) peek
(c) peck
(d) peak

Answer: (d)

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

Flexible

(a) Compliant
(b) Defiant
(c) Peculiar
(d) Reckless

Answer: (b)

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

As the tree came crashing down, the monkeys <u>woke up from its sleep</u> and ran from branch to branch.

(a) woke up from their sleep
(b) No improvement required
(c) waken up in their sleep
(d) wakes up from its sleep

Answer: (a)

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

The age of the participants _____ an important factor in this competition.

(a) is
(b) do
(c) has
(d) are

Answer: (a)

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

No other informations was conveyed to him.

(a) No other's information
(b) No improvement required
(c) No other information
(d) None another information

Answer: (c)

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

Someone working or acting merely for money or other rewards

(a) Debtor
(b) Mercenary
(c) Contractor
(d) Player

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.
>
> Mahalia Jackson was (1) _____ into a preacher's fami[illegible] 1911, and she grew up in a riverfront shanty in New Orleans. She was motherless at five, workin[illegible] a maid and laundress in her mid-teens. As a little girl, she would (2) _____ to herself before she [illegible]t to sleep, "Someday the sun is going to shine down on me in some faraway place." In pu[illegible] dream, Mahalia migrated to Chicago when she was still a teenager. She never expected to su[illegible]herself by singing, and by the time I joined her, the hands she used so expressively in her performances had (3) _____ floors, (4) _____ and helped her earn a living as a hotel maid, factory worker, beautician and florist. But her remarkable (5) _____ brought her more and more invitations to singat funerals, in churches, at concerts. And, through her warm friendly personality and a life based on sound spiritual values and hard work, she eventually found her place in the sun.

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

(a) Adorn
(b) Worn
(c) Born
(d) Scorn

Answer: (c)

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

(a) Whisper
(b) Glimmer
(c) Crisper
(d) Prosper

Answer: (a)

23. Select the most appropriate option to fill in blank number 3.
    (a) Stubbed
    (b) Clubbed
    (c) Scrubbed
    (d) Grubbed
    Answer: (c)

24. Select the most appropriate option to fill in blank number 4.
    (a) Pondered
    (b) Laundered
    (c) Unsoldered
    (d) Considered
    Answer: (b)

25. Select the most appropriate option to fill in blank number 5.
    (a) keeping-skills
    (b) Voice
    (c) Beauty
    (d) Cleaning
    Answer: (b)

General Intelligence and Reasoning

1. In a certain code language, 'STOPER' is written a .NTJJL' and 'GANOPY' is written as 'LUSIUS'. How will 'FITAND' be written in that langua
    (a) KDYUSX
    (b) KCYUXS
    (c) KCYUSX
    (d) KCYVSX
    Answer: (c)

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

410, 210, 110, 60, 35, ?
    (a) 23
    (b) 25
    (c) 20
    (d) 22.5
    Answer: (d)

3. 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.

H64 : J100 :: L144 : N196 :: U441 : ?

(a) W582
(b) W529
(c) V484
(d) V221

Answer: (b)

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. No R is a G. II. All G's are H. Conclusions: I. No H is a R. II. No G is a R.

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

Answer: (a)

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

.803, 844, 885, 926, ?

(a) 967
(b) 977
(c) 969
(d) 957

Answer: (a)

6. 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. RS : QT :: AK : ?

(a) IC
(b) HD
(c) HC
(d) ID

Answer: (a)

7. In a certain code language, 'PINT' is coded as '60', and 'HOME' is coded as '42'. How will 'TONE' be coded in that language?

(a) 54
(b) 55
(c) 56
(d) 53

Answer: (b)

8. By interchanging which two signs will the given equation be correct?

11 ÷ 77 + 253 × 23 – 800 = 58

(a) – and ÷

(b) × and ÷

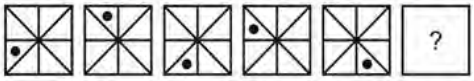
(c) + and –

(d) – and ×

Answer: (b)

9.

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



(a)



(b)



(c)



(d)



Answer: (b)

10. Select the option in which the numbers shares the same relationship as that shared by the numbers in the given set. (32, 70, 108)

(a) (44, 82, 124)

(b) (34, 72, 112)

(c) (42, 80, 118)

(d) (38, 76, 116)

Answer: (c)

11. Which two signs need to be interchanged to make the following equation correct?

96 − 12 ÷ 6 + 3 × 5 = 17

(a) ÷ and −

(b) ÷ and ×

(c) + and −

(d) + and ×

Answer: (a)

12. In a certain code language, 'GERMAN' is written as 'HFSLZM', and 'RUSTIC' is written as 'SVTSHB'. How will 'DIVIDE' be written in that language?

(a) CHUJEF

(b) CHUHCD

(c) EJWJEF

(d) EJWHCD

Answer: (d)

13. 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.

CWIS : VBPF :: AOLD : ?

(a) CQUG

(b) CXJU

(c) XJMU

(d) EXUW

Answer: (c)

14.

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)

15. Amit, Bablu, Ramesh, Deepak, Imran, Sunil, and Sanju are sitting around a circular table facing opposite to the centre. Amit does not sit adjacent to Imran and Sanju. Bablu does not sit adjacent to Amit. Sanju sits second to the left of Imran. Ramesh sits fourth to the left of Amit. Deepak and Bablu sit adjacent to each other. Who sits immediate right of Amit?

(a) Bablu

(b) Sunil

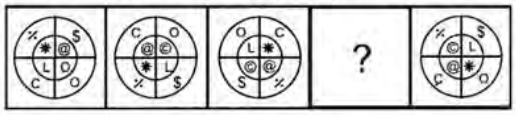
(c) Ramesh

(d) Sanju

Answer: (b)

16.

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



(a)



(b)



(c)



(d)



Answer: (b)

17. Study the given pattern carefully and select the number from among the given options that can replace the question mark (?) in it.

(7, 9, 130), (11, 9, ?), (16, 8, 320)

(a) 188

(b) 220

(c) 202

(d) 160

Answer: (c)

18. In a certain code language, 'POM' is coded as '43', and 'HAN' is coded as '22'. How will 'BRO' be coded in that language?

(a) 36

(b) 33

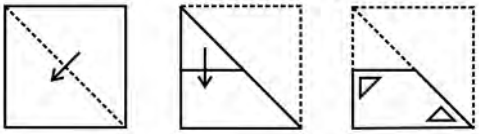
(c) 35

(d) 34

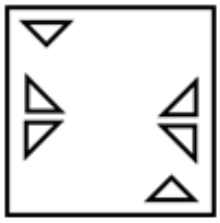
Answer: (d)

19.

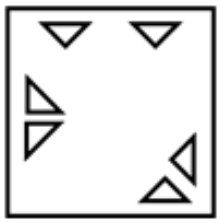
The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?



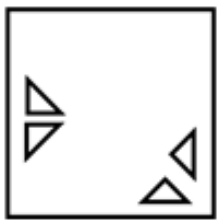
(a)



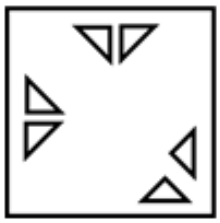
(b)



(c)



(d)



Answer: (d)

20. Five friends P, Q, R, S and T are sitting around a circular table facing towards the centre (not necessarily in the same order). Q is second to the left of T. S is the immediate neighbour of Q and T. R is not the immediate neighbour of Q. While counting from the left of Q, how many friends are sitting between Q and S?

(a) One
(b) Two
(c) Three
(d) Four

Answer: (c)

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: Some holders are parameters. Some chambers are parameters. Some parameters are not measures.

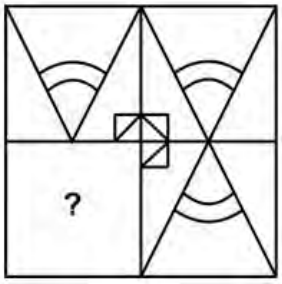
Conclusions:
I. Some measures are chambers.
II. Some holders are chambers.

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

Answer: (d)

22.

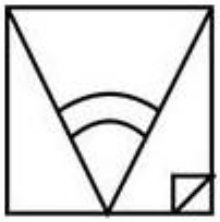
Select the option that can replace the question mark (?) in the given figure and complete the pattern.



(a)



(b)



(c)



(d)



Answer: (a)

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

BJT, DHV, FFX, ?, JBB

(a) HDY

(b) HCZ

(c) HDZ

(d) HCY

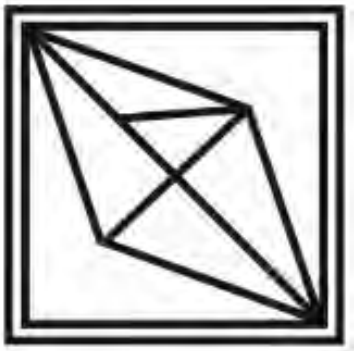
Answer: (c)

24.

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



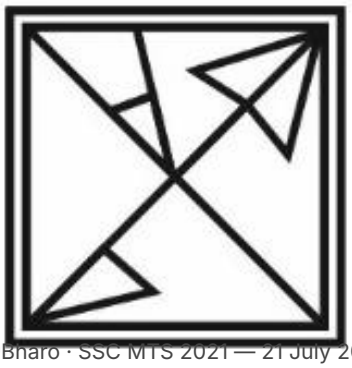
(a)



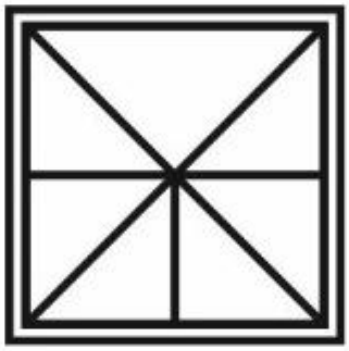
(b)



(c)



(d)



Answer: (b)

25. Among five persons A, B, C, D and E, who are of different ages, A is younger than only D and E. E is younger than D and older than B. C is the youngest. Who is the fourth oldest?

(a) C

(b) D

(c) E

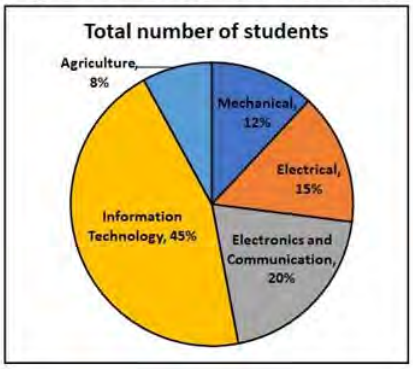
(d) B

Answer: (d)

Numerical Aptitude

1.

The following pie chart gives the percentages of the number of students studying in different streams in an engineering college. There are 5000 students in the college in all.



The college decided to give ₹300 per student to each stream for the purchase of teaching materials. How much will the Electronics and Communication stream get?

(a)

₹2,25,000

(b)

₹1,80,000

(c)

₹3,00,000

(d)

₹1,20,000

Answer: (c)

2.

The marked price of an item is 25% more than its selling price. The selling price of the same item is 20% more than its cost price. The marked price of that item is what percentage more than its cost price?

(a)

45%

(b)

35%

(c)

50%

(d)

40%

Answer: (c)

4.

The average of 12 numbers is 15, and the average of the first four numbers is 13. What is the average of the remaining numbers?

(a)
16
(b)
14
(c)
12
(d)
18

Answer: (a)

7.

Kavita can complete a piece of work alone in 12 hours, while Komal can complete the same work alone in 18 hours. Kavita works alone for the first 4 hours and leaves. After that, Komal comes and completes the remaining work by herself. How much time did Komal take to finish the remaining work?

(a)
15 hours
(b)
10 hours
(c)
16 hours
(d)
12 hours

Answer: (d)

8.

Two wires of lengths 10 m 54 cm and 11 m 56 cm are both cut into pieces of length x cm each, where x is an integer. Find the maximum value of x.

(a)
42
(b)
56
(c)
34
(d)
28

Answer: (c)

9.

Rahul's monthly income is ₹1,50,000. Of this, he saves ₹1,500. Find the percentage of his savings.

(a)

4%

(b)

2%

(c)

3%

(d)

1%

Answer: (d)

10.

For a candidate to pass an examination, he must score 60% marks. If he scored 345 and failed by 15 marks, then what are the total marks for the examination?

(a)

400

(b)

480

(c)

600

(d)

540

Answer: (c)

11.

What is the length of the longest pole that can fit itself in a hall 60 feet long, 30 feet broad and 20 feet high?

(a)

70 feet

(b)

20 feet

(c)

50 feet

(d)

30 feet

Answer: (a)

12.

What will be average of all the odd numbers between 8 and 32?

(a)

21

(b)

18

(c)

20

(d)

19

Answer: (c)

14.

A boat can travel 21 km in 3 hours going upstream. It can travel 55 km in 5 hours going downstream. What is the speed of the stream?

(a)

2.5 km/h

(b)

3.5 km/h

(c)

3 km/h

(d)

2 km/h

Answer: (d)

16.

A, B and C together can complete a work in 10 days. A and B together can do the same work in 12 days. If A, B and C received ₹9,000 for doing the work together, then what was the share of C from the above amount?

(a)

₹3,000

(b)

₹3,750

(c)

₹1,500

(d)

₹2,250

Answer: (c)

17.

What is the value of $\frac{75}{28} \times \frac{7}{12} + \left[\frac{5}{12} + \left\{\frac{5}{7} + \left(\frac{8}{12} \text{ of } \frac{36}{24} - \frac{1}{2}\right)\right\}\right]$?

(a)
$\frac{1811}{335}$

(b)
$\frac{1085}{339}$

(c)
$\frac{1073}{336}$

(d)
$\frac{1561}{337}$

Answer: (c)

18.

What is the value of a in the following equation?

$34 + 16 - a \times [40 \div 5 - 3]$

(a)
5

(b)
7

(c)
9

(d)
6

Answer: (b)

19.

A man completes his journey in 6 hours. He covers half the distance at 10 km/h and the rest at 20 km/h. The length of the journey is:

(a)

30 km

(b)

10 km

(c)

80 km

(d)

20 km

Answer: (c)

20.

The radius of the base and the height of a closed cylinder are 14 cm and 14 cm, respectively. The total surface area of the cylinder is equal to the area of a circle. What will be the diameter of the circle? [Use $\pi = \frac{22}{7}$]

(a)

56 cm

(b)

28 cm

(c)

14 cm

(d)

35 cm

Answer: (a)

21.

A sum of ₹7,000 deposited at compound interest becomes triple of itself after 4 years. How much will the amount be after 12 years?

(a)

₹49,000

(b)

₹63,000

(c)

₹1,89,000

(d)

₹84,000

Answer: (c)

22.

A shopkeeper marks up his price by 12% and then allows a 12% discount. What is his profit or loss percentage?

(a)

1.44% loss

(b)

1.2% profit

(c)

6% profit

(d)

4% loss

Answer: (a)

23.

The average of nine consecutive even numbers is 24. What is the average of the smallest three of these 9 given numbers?

(a)

21

(b)

20

(c)

18

(d)

19

Answer: (c)

General Awareness

1. Which of the following is an example of autotrophs?

(a) Protozoa

(b) Animals

(c) Viruses

(d) Green plants

Answer: (d)

2. Which of the following terms is NOT associated with cricket?

(a) Maiden

(b) LBW

(c) Slam dunk

(d) Yorker

Answer: (c)

3. Which of the following festivals marks the start of the Telugu New year?
   (a) Onam
   (b) Gudi Padwa
   (c) Pongal
   (d) Ugadi
   Answer: (d)

4. In which year did the Bhopal Gas Tragedy take place?
   (a) 1986
   (b) 1982
   (c) 1984
   (d) 1980
   Answer: (c)

5. Most Harappan seals made of _____.
   (a) Bricks
   (b) Granite
   (c) Steatite
   (d) Brass
   Answer: (c)

6. Who was the first Indian composer to win the Gram Award?
   (a) Zubin Mehta
   (b) Zakir Hussain
   (c) AR Rahman
   (d) Pandit Ravi Shankar
   Answer: (d)

7. If a fundamental right of a citizen of India is violated, _____.
   (a) he has to appeal in the Supreme court only
   (b) he has to appeal in the district court first
   (c) he has the choice of either approaching the Supreme court directly or the High court
   (d) he has to appeal in the High court first
   Answer: (c)

8. For which of the following albums did Sonu Nigam win a Grammy Award?
   (a) Mubarakan
   (b) Mehmaan
   (c) Mahsoos
   (d) Muskurahat
   Answer: (a)

9. Which of the following countries belong to the polar regions?

(a) Canada
(b) Colombia
(c) Chile
(d) China

Answer: (a)

10. Kathak is a classical dance form of which Indian state?

(a) Tamil Nadu
(b) Uttar Pradesh
(c) Manipur
(d) Assam

Answer: (b)

11. Mirabai Chanu won the first silver medal for India in weightlifting at the _____ Olympics 2020.

(a) Beijing
(b) Rio de Janeiro
(c) London
(d) Tokyo

Answer: (d)

12. Which of the following measures of money suppl , least liquid of all?

(a) M4
(b) M1
(c) M3
(d) M2

Answer: (a)

13. Damon Galgut was awarded the Booker Prize 2021 for Fiction for his book _____.

(a) The Promise
(b) Great Circle
(c) A Passage North
(d) The Fortune Men

Answer: (a)

14. The workforce population includes people between _____ years.

(a) 20 to 54
(b) 15 to 59
(c) 18 to 45
(d) 17 to 55

Answer: (b)

15. Which of the following is a noble chemical element of the modern periodic table?
    (a) Fluorine
    (b) Silicon
    (c) Nitrogen
    (d) Neon
    Answer: (d)

16. Who among the following is popularly known as the 'Disco King' passed away in February 2022?
    (a) Anupam Shyam
    (b) Bappi Lahiri
    (c) Vanraj Bhatia
    (d) Chandrashekhar G
    Answer: (b)

17. Who among the following published the book 'Stripurushtulna'?
    (a) Anita Desai
    (b) Tarabai Shinde
    (c) Shashi Deshpande
    (d) Pandita Ramabai
    Answer: (b)

18. Kanishka was a ruler of _____ dynasty.
    (a) Mughal
    (b) Maurya
    (c) Kushana
    (d) Gupta
    Answer: (c)

19. Who ruled over Delhi after Razia Sultan?
    (a) Shamsuddin Iltutmish
    (b) Ghiyasuddin Balban
    (c) Prithviraj Chauhan
    (d) Qutbuddin Aibak
    Answer: (b)

20. Which of the following campaigns was launched for greywater management in March 2022?
    (a) Sujlam
    (b) Sujlam 2.0
    (c) Jalrakshak
    (d) Jalrakshak 2.0
    Answer: (b)

21. As of April 2022, what is the official language of India's neighbouring country China?

(a) Bengali
(b) Burmese
(c) Sinhala
(d) Mandarin

Answer: (d)

22. In which year through the Indian Official Secrets Act was freedom of press curbed?

(a) 1919
(b) 1921
(c) 1904
(d) 1909

Answer: (c)

23. This layer of soil is dark in colour as it is rich in humus and minerals. It is generally soft, porous and can retain more water. It is called:

(a) B-horizon
(b) bedrock
(c) C-horizon
(d) topsoil

Answer: (d)

25. Which of the following minerals are NOT found ir ıota nagpur-belt?

(a) Gold
(b) Iron-ore
(c) Chromite
(d) Coal

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

General Intelligence and Reasoning

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

Numerical Aptitude

1	**(c)**	2	**(c)**	4	**(a)**	7	**(d)**	8	**(c)**	9	**(d)**	10	**(c)**	11	**(a)**
12	**(c)**	14	**(d)**	16	**(c)**	17	**(c)**	18	**(b)**	19	**(c)**	20	**(a)**	21	**(c)**
22	**(a)**	23	**(c)**												

General Awareness

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