PREVIOUS YEAR PAPER

SSC MTS 2021 — 8 July 2022, Shift 3

SSC MTS & Havaldar · 8 July 2022 · 5:00 PM - 6:30 PM

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

Left out of the original paper: 7 (any question that needs a figure or formatting we cannot show, has no answer in the response sheet, or could not be checked against a second copy of the paper).

Questions from the Staff Selection Commission's paper of 8 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-2021-8-jul-shift-3/

General English

1. 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.

The jute plant is usual harvested when it is at the flowering stage.

(a) when it is
(b) is usual harvested
(c) at the flowering stage
(d) The jute plant

Answer: (b)

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

My cousin's office is at a stone's throw from my house.

(a) Near the forest
(b) In a dangerous situation
(c) A short distance
(d) A long route

Answer: (c)

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

That which can be easily broken

(a) Fragile
(b) Durable
(c) Portable
(d) Stern

Answer: (a)

4. 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.

She say that she feels very / lonely and depressed / living in a big house.

(a) She say that she feels very
(b) living in a big house
(c) No error
(d) lonely and depressed

Answer: (a)

5. 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.

I am currently worked / with a newly / set up marketing company.

(a) No error
(b) set up marketing company
(c) I am currently worked
(d) with a newly

Answer: (c)

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

Concede

(a) Reject
(b) Permit
(c) Deny
(d) Fascinate

Answer: (b)

7. Select the most appropriate synonym of the underlined word in the given sentence.

We need to protest against this policy.

(a) resist
(b) assent
(c) validate
(d) perk

Answer: (a)

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

Weakness and poor health

(a) Geniality
(b) hospitality
(c) Frailty
(d) Obscurity

Answer: (c)

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

To own up to something as true

(a) Confess
(b) Suppress
(c) Redress
(d) Assess

Answer: (a)

10. Select the correctly spelt word.

(a) Credintial
(b) Habichual
(c) Lopsided
(d) Adventurious

Answer: (c)

11. Select the most appropriate word for the g[illegible]oup of words.

A person incapable of making mistakes

(a) Infallible
(b) Pure
(c) Optimist
(d) Naive

Answer: (a)

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

Danny lay on his back staring at the _____ of his room.

(a) sealing
(b) ceiling
(c) seeding
(d) syringe

Answer: (b)

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

A sound that is pleasing to hear

(a) Inspired
(b) Melodious
(c) Harsh
(d) Audible

Answer: (b)

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

Cowardly

(a) Integral
(b) Fleeting
(c) Spineless
(d) Valiant

Answer: (d)

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

I believe in having a clear and lucid conversation.

(a) Ambiguous
(b) Tangible
(c) Coherent
(d) Blazing

Answer: (a)

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

Deficient

(a) Sleek
(b) Whole
(c) Incomplete
(d) Integral

Answer: (c)

17. Select the INCORRECTLY spelt word.

(a) Admonish
(b) Agravate
(c) Assertion
(d) Accumulate

Answer: (b)

18. 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.'

The missing child was discovered in lower Maryland a few days later.

(a) little days later
(b) a lot of days later
(c) No substitution required
(d) few day later

Answer: (c)

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

Set the wheels in motion

(a) To initiate a chain of events
(b) To drive very fast
(c) To end a journey
(d) To end a discussion

Answer: (a)

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

I signed this science project _____ London.

(a) beneath
(b) in
(c) by
(d) into

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.
>
> With over 49,000 plant species (1) _____ as of 2018, India holds (2) _____ 11.5% of all the flora in the world. Now, a new fossil record has (3) _____ that India is the birthplace of Asian bamboo, and they (4) _____ formed about 25 million years ago in the north-eastern (5) _____ of the country.

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

(a) reported
(b) signed
(c) assigned
(d) deserved

Answer: (a)

22. Select the most appropriate option to fill in blank number 2.
    (a) on
    (b) off
    (c) upon
    (d) about
    Answer: (d)

23. Select the most appropriate option to fill in blank number 3.
    (a) limited
    (b) known
    (c) shown
    (d) arranged
    Answer: (c)

24. Select the most appropriate option to fill in blank number 4.
    (a) was
    (b) has
    (c) were
    (d) are
    Answer: (c)

25. Select the most appropriate option to fill in blank number 5.
    (a) part
    (b) beside
    (c) type
    (d) bit
    Answer: (a)

General Intelligence and Reasoning

1.

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



(a)



(b)



(c)



(d)



Answer: (a)

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

32 : 99 :: ? : 45 :: 16 : 51

(a) 18

(b) 12

(c) 10

(d) 14

Answer: (d)

3. 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.

PM : RJ :: TF : ?

(a) VD
(b) VC
(c) UD
(d) UC

Answer: (b)

4. 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.

KIN : MGS :: RFB : ?

(a) THE
(b) TCG
(c) TDH
(d) TDG

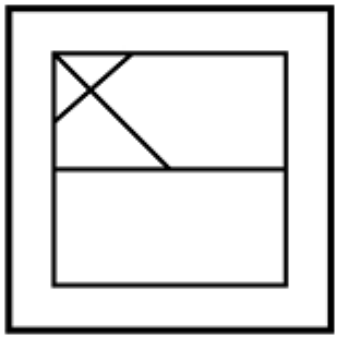
Answer: (d)

5.

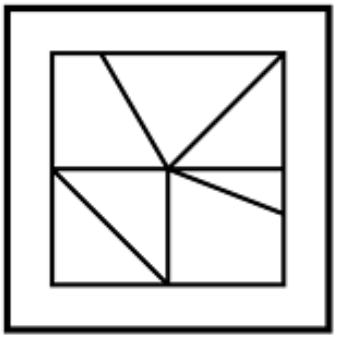
Select the option in which the given figure is embedde otation is NOT allowed).



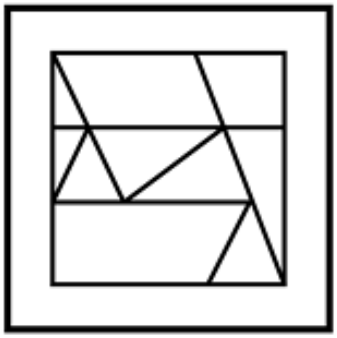
(a)



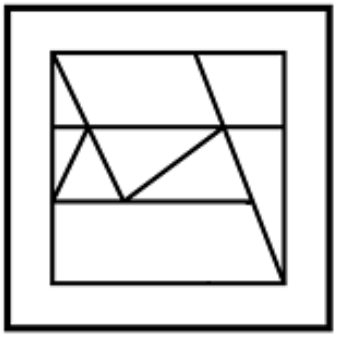
(b)



(c)



(d)



Answer: (b)

6. Which two digits need to be interchanged to make the following equation correct?

16 ÷ 7 × 2 + 4 − 3 = 12

(a) 2 and 4
(b) 7 and 4
(c) 16 and 2
(d) 7 and 3

Answer: (b)

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

64, 68, 77, 93, 118, ?

(a) 168
(b) 154
(c) 157
(d) 134

Answer: (b)

8. In a certain code language, 'HERO' is written as 'IGSQ' and 'LOVE' is written as ‘MQWG’. How will 'ROAD' be written in that language?

(a) SQBF

(b) SQBE

(c) SQCF

(d) SPBF

Answer: (a)

9. In a certain code language, 'AB CD' is coded as '10', and 'EG FA' is coded as '19'. How will 'JR LF' be coded in that language?

(a) 48

(b) 50

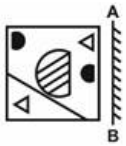
(c) 46

(d) 44

Answer: (c)

10.

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



(a)



(b)



(c)



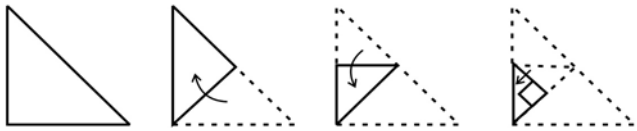
(d)



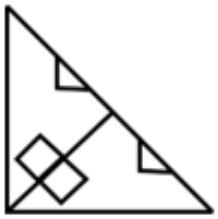
Answer: (b)

11.

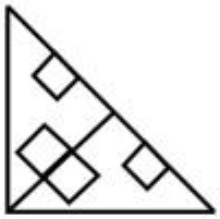
The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?



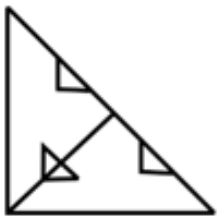
(a)



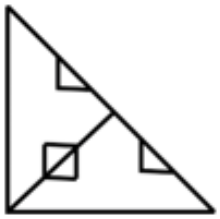
(b)



(c)



(d)



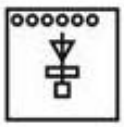
Answer: (b)

12.

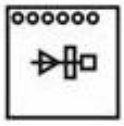
Select the figure from among the given options that can replace the question mark (?) in the following series.



(a)



(b)



(c)



(d)



Answer: (a)

13. Eight girls X, Y, Z, U, V, W, S and T are sitting around a circular table, facing towards the centre (not necessarily in the same order). X is second to the left of U. U is third to the left of V. Z is third to the right of S. S is not the immediate neighbour of V. T is third to the right of Y. Y is second to the right of S.Three out of the following four options are similar by a certain logic and form a group. Which of the following does NOT belong to that group?

(a) YS

(b) WV

(c) YZ

(d) UX

Answer: (c)

14. In a certain code language, 'OVERT' is written as 'LEVIG' and 'MOKIN' is written as 'NLPRM'. How will 'ILICO' be written in that language?

(a) RORXL

(b) RORWL

(c) RORXK

(d) RORXM

Answer: (a)

15. 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 forests are trees. Some trees are short.

Conclusions:
I. Some forests are short.
II. No tree is a forest.

(a) Neither conclusion I nor II follow.

(b) Only conclusion II follows.

(c) Both conclusions I and II follow.

(d) Only conclusion I follows.

Answer: (b)

16. In a certain code language, 'Red are sweet brown' is coded as '8 6 4 2', and 'Blue moon are white' is coded as '5 3 1 2'. What is the code for 'are' in that language?

(a) 2

(b) 6

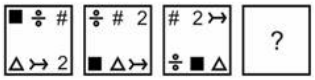
(c) 1

(d) 4

Answer: (a)

17.

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



(a)



(b)



(c)



(d)



Answer: (b)

18. Six boys A1, A2, A3, A4, A5 and A6 are [illegible] and a circular table, facing towards the centre. A4 is the third to the left of A1. A5 and A3 are [illegible] ours of A4. A6 is to the immediate right of A5. Who is sitting third from the left of A6?

(a) A2

(b) A3

(c) A5

(d) A4

Answer: (b)

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

20, 10, 10, 15, 30, 90

(a) 15

(b) 10

(c) 30

(d) 90

Answer: (d)

20. Seven teachers M, N, O, P, Q, R and S take different number of tuitions. P takes more tuitions than S. M takes more tuitions than Q. R takes the second highest number of tuitions. The number of tuitions that O takes is less than only that of four teachers. N takes less tuitions than P but more than M. Q takes the least number of tuitions. S takes the second lowest number of tuitions. In terms of the number of tuitions taken, who is between N and S?

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

Answer: (d)

21. After interchanging the given two signs and two numbers, what will be the value of the following expression? 4 and 12; ÷ and + 12 × 4 + 3 ÷ 6 – 2

(a) 30
(b) 20
(c) 15
(d) 25

Answer: (b)

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

D, G, J, M, P, ?

(a) R
(b) S
(c) T
(d) U

Answer: (b)

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. Some M are P. II. All X are M.

Conclusions: I. Some P are X.
II. Some P are M.
III. No P is X.

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

Answer: (a)

Numerical Aptitude

1.

A boat can travel 42 km in 6 hours while going upstream. If the speed of the stream is 2 km/h, then how much distance will the boat cover in 12 hours while going downstream?

(a)

156 km

(b)

120 km

(c)

132 km

(d)

144 km

Answer: (c)

2.

The value of $[12 \times 5 - \{200 - (501 + 247 - 386)\}] \div 2$ is:

(a)

82

(b)

111

(c)

61

(d)

62

Answer: (b)

3.

The perimeter of an equilateral triangle is 36 cm. What is the area of this triangle?

(a)

$96\sqrt{3}\ \text{cm}^2$

(b)

$36\sqrt{3}\ \text{cm}^2$

(c)

$24\sqrt{3}\ \text{cm}^2$

(d)

$27\sqrt{3}\ \text{cm}^2$

Answer: (b)

4.

A can do a work in 10 days and B can do the same work in 15 days. If they work on it together for 4 days, then the fraction of the work that is left is:

(a)

$\frac{2}{3}$

(b)

$\frac{3}{5}$

(c)

$\frac{3}{4}$

(d)

$\frac{1}{3}$

Answer: (d)

5.

The average of 11 observations is 10, that of the first 6 being 9 and that of the last 6 being 11. What is the 6^{th} observation?

(a)

11

(b)

8

(c)

9

(d)

10

Answer: (d)

7.

If $A=\frac{1}{2}\div\frac{1}{3}\times\frac{1}{4}+\frac{1}{5}\times\frac{1}{6}$ and $B=\frac{1}{6}\div\frac{1}{3}\times\frac{1}{5}+\frac{1}{4}\times\frac{1}{2}$, then what is the value of $(A-B)$?

(a)

$\frac{1}{5}$

(b)

$\frac{11}{60}$

(c)

$\frac{33}{35}$

(d)

$\frac{25}{36}$

Answer: (b)

9.

P starts from A at 6 a.m. and reaches B after 8 hours. Q starts from B at 8 a.m and reaches A after 9 hours. When they meet, what is the ratio of the distance travelled by Q to the distance travelled by P?

(a)

$3:8$

(b)

$6:7$

(c)

$6:11$

(d)

$8:3$

Answer: (c)

11.

The diagonal of a rectangle is 12 cm long, and it is twice as long as one of the sides of the rectangle. What is the area of this rectangle?

(a)

$25\sqrt{3}\ \text{cm}^2$

(b)

$30\sqrt{3}\ \text{cm}^2$

(c)

$36\sqrt{3}\ \text{cm}^2$

(d)

$42\sqrt{3}\ \text{cm}^2$

Answer: (c)

12.

4 boys or 7 girls can complete a piece of work in 18 days. How many days will 12 boys and 21 girls together take to complete this job?

(a)

3 days

(b)

4 days

(c)

6 days

(d)

5 days

Answer: (a)

13.

The number of boys in a class is 45% of the total number of students in the class. If the number of girls in the class is 33, then what is the number of boys in the class?

(a)

27

(b)

21

(c)

30

(d)

24

Answer: (a)

14.

A solid sphere whose radius is 21 cm is melted and recast into a regular pyramid of square base. If height of the pyramid is 66 cm, then what is the length of each side of the base of the pyramid? [Use $\pi = \frac{22}{7}$]

(a)
68 cm
(b)
85 cm
(c)
42 cm
(d)
48 cm

Answer: (c)

15.

120 apples, 240 oranges and 150 pears are packed in cartons in such a way that each carton has the same number of fruits, each carton contains only one type of fruit, and no fruit is left unpacked. What is the smallest possible number of cartons needed for the purpose?

(a)
50
(b)
40
(c)
17
(d)
30

Answer: (c)

16.

Two mixers and one TV cost ₹500, while two TVs and one mixer cost ₹700. The cost of one TV is:

(a)
₹100
(b)
₹400
(c)
₹300
(d)
₹200

Answer: (c)

17.

The following table shows the numbers of pairs of shoes of 6 different brands sold by a shop during a given week.

Brand	Shoes
B1	42
B2	58
B3	61
B4	49
B5	71
B6	49

The shop also sells brand B7 now. The number of pairs of shoes sold of B7 are 20% more than the average number of shoes sold of the other 6 brands. What is the number of shoes sold of B7?

(a)

68

(b)

76

(c)

72

(d)

66

Answer: (d)

18.

The average of seven numbers is 20. If 2 is subtracted from each num hen what will the new average be?

(a)

22

(b)

10

(c)

9

(d)

18

Answer: (d)

21.

A : B = 12 : 17 and A is 20% more than C. If B is 15% less than D, then C is what percentage of D?

(a)

47.5%

(b)

50%

(c)

52.5%

(d)

55%

Answer: (b)

22.

The average weight of all the 200 employees in an office is 68.2 kg, where $\frac{2}{5}$ of the employees are ladies and the ratio of the average weight of a man to that of a woman is 7 : 5. Find the average weight of the female employees.

(a)

60 kg

(b)

54 kg

(c)

55 kg

(d)

59 kg

Answer: (c)

23.

The population of a town is increasing at the rate of 10% per year. If the present population of the town is 1,00,000, what will its population be 2 years from now?

(a)

3,00,000

(b)

1,21,000

(c)

2,10,000

(d)

1,20,000

Answer: (b)

24.

Raju sells an object at 20% below its cost price. If he sold it for ₹450 more, he would have made a profit of 25%. What is the original selling price of the object?

(a)
₹700
(b)
₹500
(c)
₹900
(d)
₹800

Answer: (d)

25.

The ratio of the numbers of boys and girls in a school is 5 : 8. If there are 260 students in the school, then what is the difference between the numbers of girls and boys in the school?

(a)
50
(b)
80
(c)
40
(d)
60

Answer: (d)

General Awareness

1. In which state of India is Sekrenyi Festival celebrated?

(a) Nagaland
(b) Rajasthan
(c) Tamil Nadu
(d) Bihar

Answer: (a)

2. _____ is an Indian sport in which a 'raider' enters the opposite team's half to tag opponents, without taking a breath.

(a) Kho-Kho
(b) Kabaddi
(c) Mallakhamb
(d) Throwball

Answer: (b)

3. Who among the following is popularly known as 'Panchamda'?

(a) Zakir Hussain
(b) Jagjit Singh
(c) AR Rahman
(d) RD Burman

Answer: (d)

4. With respect to the seasons in India, the term ‘Kaal Baisakhi’ is related to which of the following states in India?

(a) West Bengal
(b) Karnataka
(c) Punjab
(d) Kerala

Answer: (a)

5. Which of the following is the earliest form of Veda?

(a) Atharva Veda
(b) Sama Veda
(c) Yajur Veda
(d) Rig Veda

Answer: (d)

6. Who among the following has been appointed as I a's Foreign Secretary effective from 1 May 2022?

(a) Vinay Mohan Kwatra
(b) Harsh Vardhan Shringla
(c) Subrahmanyam Jaishankar
(d) Sujata Mehta

Answer: (a)

7. As per Census 2011, which of the following states of India has the lowest literacy rate?

(a) Kerala
(b) Andhra Pradesh
(c) Tamil Nadu
(d) Bihar

Answer: (d)

8. ‘Mudiyettu’ is a traditional folk theatre form of which Indian state?

(a) Manipur
(b) Kerala
(c) Jharkhand
(d) Assam

Answer: (b)

9. Rohini Bhate, recipient of Kalidas Samman was associated with which classical dance of India?

(a) Odissi
(b) Manipuri
(c) Sattriya
(d) Kathak

Answer: (d)

10. As announced in the Union Budget of Financial Year 2022, income from virtual digital assets will be taxed at _____.

(a) 2%
(b) 25%
(c) 35%
(d) 3%

Answer: (d)

11. Vinod talks about the only planet with liquid water on the surface. Which of the following planets is he talking about?

(a) Earth
(b) Venus
(c) Mars
(d) Saturn

Answer: (a)

12. Which of the following cell organelles functions .h as a passageway for intracellular transport and as a manufacturing surface?

(a) Golgi Apparatus
(b) Lysosome
(c) Mitochondria
(d) Endoplasmic Reticulum

Answer: (d)

13. Which of the following is a famous example of a temple built in complete Dravidian style?

(a) Konark Sun temple, Konark
(b) Kandariya Mahadeo temple at Khajuraho
(c) Kamakhya temple at Guwahati
(d) Kailasa temple at Ellora

Answer: (d)

14. Who among the following began the Suddhi Movement, which enabled the Hindus who had accepted Islam or Christianity to return to Hinduism, their original faith?

(a) Ramakrishna Paramhamsa
(b) Keshab Chandra Sen
(c) Narendra Nath Dutta
(d) Dayanand Saraswati

Answer: (d)

15. Which of the following is NOT a part of the Preamble of India?

(a) Liberty
(b) Equality
(c) Aristocracy
(d) Justice

Answer: (c)

16. Who among the following was the first Muslim woman ruler of medieval India from 1236 to 1240 AD?

(a) Razia Sultana
(b) Sultana Chand Bibi
(c) Rani Mangammal
(d) Begum Samru

Answer: (a)

17. New Zealand defeated India in the finals of the inaugural World Test Championship in June 2021. Which country hosted this match?

(a) South Africa
(b) England
(c) Australia
(d) New Zealand

Answer: (b)

18. What was the former name of the Yamuna Expressway Project constructed in Uttar Pradesh, India?

(a) Purvanchal Expressway
(b) Taj Expressway
(c) Noida-Agra Expressway
(d) Kennedy Expressway

Answer: (b)

19. 'Straight from the Heart' is the autobiography of which of the following famous personalities?

(a) Sachin Tendulkar
(b) Rahul Dravid
(c) Kapil Dev
(d) Sunil Gavaskar

Answer: (c)

20. Which of the following is the correct chemical formula of sodium aluminate?

(a) $NaAlO_2$
(b) Na_3AlO
(c) $NaAlO_3$
(d) Na_2AlO_3

Answer: (a)

21. How many laws were repealed under the Farm Laws Repeal Bill, 2021?

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

Answer: (b)

22. The movement of people across regions and territories is called _____.

(a) Depopulation
(b) migration
(c) mortality
(d) demographic transition

Answer: (b)

23. Which of the following statements is correct?
I. Robert Clive had come to Madras from England in 1743 at the age of 18.
II. After the battle of Buxar, the East India Company appointed Residents in Indian states.

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

Answer: (d)

24. Which of the following statements is correct regarding 'Arthropoda'?
I. These animals are bilaterally symmetrical.
II. They have jointed legs.

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

Answer: (a)

25. Article 280 of the Constitution of India talks about which constitutional body?

(a) Goods and Service Tax Council
(b) Election commission of India
(c) Attorney General of India
(d) Finance commission

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

General Intelligence and Reasoning

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

Numerical Aptitude

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

General Awareness

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