PREVIOUS YEAR PAPER

SSC MTS 2021 — 11 July 2022, Shift 1

SSC MTS & Havaldar · 11 July 2022 · 9:00 AM - 10:30 AM

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

Left out of the original paper: 6 (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 11 July 2022, 9:00 AM - 10:30 AM. Each question is followed by its answer, and the answer key is repeated on the last page.

Take it as a timed practice test: exambharo.com/ssc-mts/previous-year-papers/ssc-mts-2021-11-jul-shift-1/

General English

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

To descend a cragged / mountain, however, was most/ difficult and dangerous / than to ascend it.

(a) To descend a cragged
(b) difficult and dangerous
(c) mountain however was most
(d) than to ascend it

Answer: (c)

2. Select the most appropriate ANTONYM of the giv word.

Impartial

(a) Intellectual
(b) objective
(c) Biased
(d) Pious

Answer: (c)

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

Austin can <u>be saw chasing</u> cops with a sickle.

(a) be seen chasing
(b) No improvement required
(c) been saw chasing
(d) being seen chase

Answer: (a)

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

The defendant's lawyer argued that his past offenses were _____ to this case.

(a) contagious
(b) spacious
(c) arrogant
(d) irrelevant

Answer: (d)

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

Provoke

(a) Inhibit
(b) Slack
(c) Arouse
(d) Constrain

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'.

None only did the men aid in the work, but the women also did their part.

(a) Only
(b) No improvement required
(c) No only
(d) Not only

Answer: (d)

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

Spill the beans

(a) To drop something
(b) To find out something
(c) Give away a secret
(d) To get a new idea

Answer: (c)

8. Select the correctly spelt word.

(a) Milennia
(b) Monothistic
(c) Hypothesis
(d) Prihistoric

Answer: (c)

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

These figures have been greatly exaggerated.

(a) understated
(b) magnified
(c) belittled
(d) ignore

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.

Anosmia is the / completed loss or / absence of the sense of smell.

(a) No error
(b) completed loss or
(c) absence of the sense of smell
(d) Anosmia is the

Answer: (b)

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

These types of insects are usually very difficult to eradicate.

(a) emancipate
(b) annihilate
(c) conserve
(d) devastate

Answer: (c)

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

Your explanation was simpler _____ Rekha's explanation.

(a) of
(b) that
(c) then
(d) than

Answer: (d)

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

If you keep dodging your manager's call, you will be on thin ice.

(a) In a risky situation
(b) Perform adequately
(c) Change plans in the middle of a process
(d) Go to jail

Answer: (a)

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

Climb or move with difficulty or a lot of effort, typically using one's hands and feet

(a) Pedagogy
(b) Clamber
(c) Quack
(d) Retreat

Answer: (b)

16. Select the INCORRECTLY spelt word.

(a) Appease
(b) Aberrant
(c) Arbitrary
(d) Incipid

Answer: (d)

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

Today, your presentation was _____ better than Saba's presentation.

(a) more
(b) many
(c) most
(d) much

Answer: (d)

18. The following sentence has been divided ... ts. 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.

My teacher said to me that / all that / glitters were not gold.

(a) glitters were not gold
(b) My teacher said to me that
(c) No error
(d) all that

Answer: (a)

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

His autobiography will be one of the most _____ awaited books.

(a) eagerly
(b) deftly
(c) badly
(d) slowly

Answer: (a)

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

Thank you all for coming so earlier at the morning.

(a) No improvement required
(b) early in the
(c) the early in a
(d) earliest on the

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 up to 50,000 species of spiders, spider habitats vary (1) _____. Spiders are (2) _____ to live anywhere in the world except Antarctica. They (3) _____ not live in bodies of water or in the air, but can adapt (4) _____ almost any type of environment: hot or cool, wet or (5)_____, in the garden or in your house.

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

(a) widely
(b) wide
(c) widest
(d) wider

Answer: (a)

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

(a) authorised
(b) courageous
(c) able
(d) harboured

Answer: (c)

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

(a) done
(b) do
(c) does
(d) did

Answer: (b)

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

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

Answer: (d)

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

(a) damp
(b) muggy
(c) dewy
(d) dry

Answer: (d)

General Intelligence and Reasoning

1.

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



(a)



(b)



(c)



(d)



Answer: (b)

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

56 : 11 :: 34 : 7 :: ? : 13

(a) 76
(b) 54
(c) 84
(d) 62

Answer: (a)

3. In a certain code language, 'GOP' is coded as '38', and 'HVN' is coded as '44'. How will 'PNG' be coded in that language?

(a) 42
(b) 37
(c) 29
(d) 32

Answer: (b)

4. In a certain code language, 'COFFEE' is coded as '40', 'LEMON' is coded as '59', and 'GINGER' is coded as '60'. How will 'TEA' be coded in that language?

(a) 43
(b) 26
(c) 29
(d) 32

Answer: (b)

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.

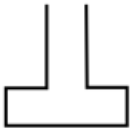
TV : MO :: GR : ?

(a) AK
(b) ZL
(c) ZK
(d) AM

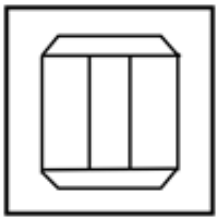
Answer: (c)

6.

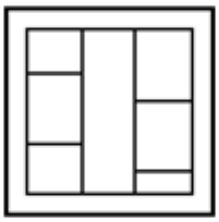
Select the option figure in which the given figure is embedded (rotation is NOT allowed).



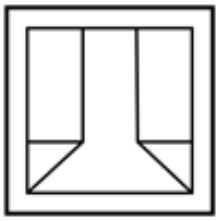
(a)



(b)



(c)



(d)



Answer: (c)

7. In a certain code language, 'hairs are golden black' is coded as '@ rm pr kt', 'golden bells are sound' is coded as 'ak @ kt #', and 'bells being loud' is coded as '# jm jk'. What can be the code for 'bell sound' in that language?

(a) ak @

(b) ak #

(c) ak jm

(d) jm jk

Answer: (b)

8. After interchanging the given two numbers (not digits), what will be the value of the given equation?

5 and 6 6 × 12 – 4 + 5 – 1 = ?

(a) 41
(b) 61
(c) 51
(d) 71

Answer: (b)

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

IDK, LFL, OHM, RJN, ?

(a) TLN
(b) ULO
(c) STO
(d) SLP

Answer: (b)

10. In a certain code language, 'TAPE' is coded as '4825', 'SHART' is coded as '93814', and 'TUBE' is coded as '4675'. What is the code for the letter 'E' in that code language?

(a) 5
(b) 4
(c) 6
(d) 8

Answer: (a)

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

57, 59, 56, 60, ?, 61, 54

(a) 55
(b) 53
(c) 54
(d) 63

Answer: (a)

12.

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



(a)



(b)



(c)



(d)



Answer: (a)

13. 6 boys, J, K, L, M, N and P, are sitting a[illegible]d a[illegible]ctangular table facing towards the centre (not necessarily in the same order). 4 boys are sit[illegible]he corners, and 1 boy is sitting in the middle of each shorter side of the table. N is second to the right of K and second to the left of J. M is exactly opposite to N, and M is not sitting in the corner. Which of the following statements is definitely correct?

I. L and P are both next to N.

II. K is diagonally opposite to L.

(a) Only II is correct.

(b) Neither I nor II is correct.

(c) Both I and II are correct.

(d) Only I is correct.

Answer: (d)

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

12, 37, 110, 331, 992, ?

(a) 2947

(b) 2867

(c) 2977

(d) 2877

Answer: (c)

15. 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.

USER : USRE :: TIRING : TRNIIG :: DEVOTED : ?

(a) DOVTEED

(b) DDEEVTO

(c) DEDETOV

(d) VTOEEDD

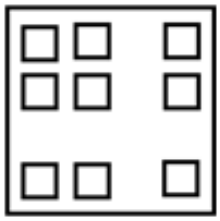
Answer: (d)

16.

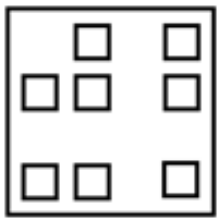
The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?



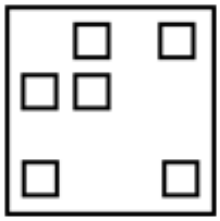
(a)



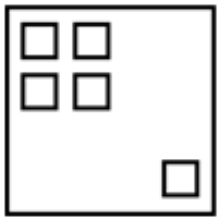
(b)



(c)



(d)



Answer: (d)

17. The weight of seven women W1, W2, W3, W4, W5, W6 and W7 are compared. The weight of W4 is more than W7. The weight of W5 is more than only three women and the weight of W2 is less than only W1 and W3. If the weight of W7 is the lowest, then the minimum number of women who have weight more than W6 is?

(a) 1
(b) 4
(c) 2
(d) 3

Answer: (b)

18. 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: Akshay earns more than Rajnish who earns more than Sam. Sam earns less than Dixit.

Conclusions: I: Akshay earns more than Sam. II: Dixit earns more than Akshay.

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

Answer: (b)

19. Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(13, 12, 2) (25, 22, 6)

(a) (26, 22, 10)
(b) (15, 5, 15)
(c) (6, 3, 6)
(d) (24, 12, 19)

Answer: (c)

20. 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 yellow is green.
II. Some pink are yellow.

Conclusions: I. No green is yellow. II. Some yellow are pink.
III. All green are pink.

(a) Only conclusions I and II follow.

(b) Only conclusion III follows.

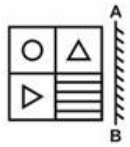
(c) Conclusion I, II and III follows.

(d) Only conclusions II and III follow.

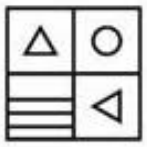
Answer: (a)

21.

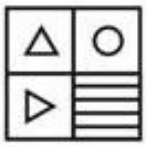
Select the correct mirror image of the given figure when the mirror is placed at AB as show.



(a)



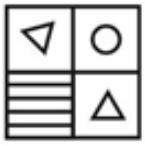
(b)



(c)



(d)



Answer: (c)

22. 8 boys G, H, I, J, K, L, M and N are sitting around a square table facing towards the centre (not necessarily in the same order). Four boys are sitting at the corners and four boys are sitting in the middle of the sides. J is the immediate neighbour of G and H and he is sitting at a corner. M is the immediate neighbour of N and K. L is the sitting in the middle of the side. G is not sitting opposite to L. N is towards the immediate right of H. Who is sitting diagonally opposite to I?

(a) L
(b) K
(c) N
(d) J

Answer: (c)

23. Which two numbers should be interchanged to make the given equation correct?

20 ÷ 6 + 10 – 5 × 2 = 2

(a) 5 and 10
(b) 6 and 10
(c) 10 and 20
(d) 5 and 6

Answer: (d)

24. Select the option that is related to the third term in the same way as the second term is related to the first term.

CRAW : DZIX :: MOCK : ?

(a) PYLN
(b) PLXN
(c) PXMN
(d) PXLN

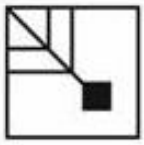
Answer: (d)

25.

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



(a)



(b)



(c)



(d)



Answer: (a)

Numerical Aptitude

1.

In a family of six males and a few females, the average monthly consumption of grain per head is 14.4 kg. If the average monthly consumption per head is 20 kg in the case of males and 6 kg in the case of females, find the number of females in the family?

(a)

8

(b)

4

(c)

6

(d)

7

Answer: (b)

4.

24 women and 9 men can complete a certain piece of work in 18 days. Each women takes twice the amount of time taken by a man to finish the work. In how many days can only 9 men finish the same work?

(a)

42

(b)

35

(c)

39

(d)

48

Answer: (a)

5.

The average age of eight girls is y years. 5 new girls having ages (in years) given by y + 3, y – 6, y + 15, y + 8, and y + 6, join the class. What is the new average age of the class?

(a)

(y + 2) years

(b)

(y + 6) years

(c)

(y + 3) years

(d)

(y + 1) years

Answer: (a)

6.

The total surface area of a closed cube is 128 cm^2 more than the area of a square. If the length of each side of the cube is 8 cm, then what is the length of each side of the square?

(a)

16 cm

(b)

12 cm

(c)

18 cm

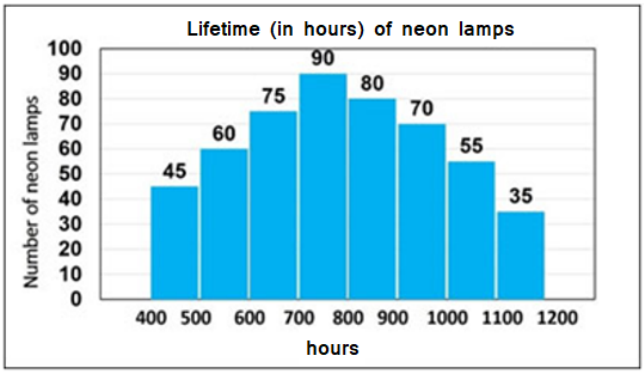
(d)

9 cm

Answer: (a)

7.

The bar graph given below provides information about the lifetime (in hours) of neon lamps. Study the given bar graph and answer the question that follows.



The number of neon lamps that have a life of 600 hours or more but less than 900 hours is:

(a)

180

(b)

245

(c)

270

(d)

305

Answer: (b)

8.

The average of ten numbers is 24. If each number is divide[illegible], then what will be the new average?

(a)

12

(b)

6

(c)

20

(d)

5

Answer: (a)

9.

The difference between the simple interest and the compound interest at the same rate for ₹32,000 for 2 years is ₹80. What is the rate of interest, if, in the case of compound interest, interest is compounded annually?

(a)

8% per annum

(b)

2% per annum

(c)

5% per annum

(d)

12% per annum

Answer: (c)

10.

600 – A = 65% of 200. What is the value of A?

(a)

450

(b)

470

(c)

490

(d)

460

Answer: (b)

11.

What is the greatest number which, on dividing 342 and 480, leaves remainders of 6 and 4, respectively?

(a)

14

(b)

4

(c)

7

(d)

28

Answer: (d)

12.

What should come in place of the question mark (?) for the following mathematical statement to be true?

$(9576 \div 21) \times (462 \div 42) - 563 \times 8 = (?)^3$

(a)

5

(b)

7

(c)

8

(d)

3

Answer: (c)

13.

The side of a square is equal to 40% of the radius of a sphere. If the volume of the sphere is $\frac{500\pi}{3}\text{m}^3$, then what is the area of the square?

(a)

$2\ \text{m}^2$

(b)

$1\ \text{m}^2$

(c)

$9\ \text{m}^2$

(d)

$4\ \text{m}^2$

Answer: (d)

15.

As per the data shown in the table given, what is the ratio of the students aged below 18 years to the students aged 18 years or above?

Age group	6 – 9	9 – 12	12 – 15	15 – 18	18 – 21	21 – 24
Number of Students	14	26	18	12	17	7

(a)

4 : 3

(b)

35 : 27

(c)

35 : 12

(d)

5 : 9

Answer: (c)

16.

A teacher distributes some sweets among his four students in the ratio of $\frac{1}{3} : \frac{1}{5} : \frac{1}{\square} : \frac{1}{4}$. What is the minimum number of sweets that the teacher should have, so that no sweet needs to be broken into pa[illegible] be shared?

(a)

57

(b)

77

(c)

76

(d)

71

Answer: (a)

19.

The speed of Ashu is 15 km/h more than the speed of Vishu. They start moving in the same direction at the same time, but initially Vishu is ahead of Ashu by a certain distance. If Ashu crosses Vishu 6 hours after they start moving, what is the initial distance between them?

(a)

45 km

(b)

60 km

(c)

90 km

(d)

80 km

Answer: (c)

20.

If 25% discount is given on an article, then there will be a loss of 15%. If the article is sold at its marked price, then what will the profit percentage be? [Give your answer correct to 2 decimal places.]

(a)

15.66%

(b)

12.66%

(c)

13.33%

(d)

10.22%

Answer: (c)

21.

What should come in place of the question mark (?) in the following mathematical statement?

$8^2 + 16^2 - 19^2 = ?^3 - 257$

(a)

9

(b)

2

(c)

6

(d)

8

Answer: (c)

22.

The radius of a sphere and that of the base of a cylinder are equal. The ratio of the radius of the base of the cylinder and the height of the cylinder is 3 : 4. What is the ratio of the volume of the sphere to that of the cylinder?

(a)

27 : 64

(b)

1 : 2

(c)

1 : 1

(d)

9 : 16

Answer: (c)

23.

Sonu can do a work in 15 days, Monu can do it in 10 days, and Tipu can do it in 12 days. In how many days can Sonu, Monu and Tipu together complete the work?

(a)

8 days

(b)

10 days

(c)

4 days

(d)

5 days

Answer: (c)

24.

A number, when subtracted from 3 times the second number, gives a result equal to $\frac{3}{4}$ of the first number. What is the ratio of the first number to the second number?

(a)

11 : 6

(b)

12 : 7

(c)

9 : 5

(d)

10 : 7

Answer: (b)

25.

In a 100-m race, A beats B by 20 m and B beats C by 5 m. In the same race, A beats C by:

(a)

26 m

(b)

22 m

(c)

25 m

(d)

24 m

Answer: (d)

General Awareness

1. Temperate grasslands are ideal for _____ cultivation.

(a) grape
(b) apple
(c) cotton
(d) wheat

Answer: (d)

2. Which of the following statements is INCORRECT?

(a) Metals are used in making cookware.
(b) Metals are used in the manufacture of automobiles.
(c) Living beings inhale metals during respiration.
(d) Metals are used in manufacturing jewellery.

Answer: (c)

3. Bangladesh shares its borders with which of the following states of India?

(a) Nagaland
(b) Meghalaya
(c) Bihar
(d) Manipur

Answer: (b)

4. Which of the following is a work by famous Indian author Khushwant Singh?

(a) A Suitable Boy
(b) Train to Pakistan
(c) The Guide
(d) Sacred Games

Answer: (b)

5. Who was the first ruler of Ilbari dynasty (Delhi Sultanate)?

(a) Qutubuddin Aibak
(b) Ghiyasuddin Tughlaq
(c) Iltutmish
(d) Raziya Sultan

Answer: (a)

6. The Indian constitution borrowed 'procedure of amending the constitution' from the constitution of _____.

(a) France
(b) South Africa
(c) United Kingdom
(d) Australia

Answer: (b)

7. As per the 2011 census, what was the percentage of the urban population in India? (Provide an approximate range.)

(a) Between 30% and 35%
(b) Between 40% and 45%
(c) Between 10% and 15%
(d) Between 20% and 25%

Answer: (a)

8. Which of the following was the capital of Mahaja[illegible]ada Gandhara in 6th century BC?

(a) Hastinapur
(b) Mathura
(c) Taxila
(d) Varanasi

Answer: (c)

9. What does 'L' stand for in the LPG Strategy of 1991?

(a) Legislative
(b) Landmark
(c) Liquid
(d) Liberalisation

Answer: (d)

10. Which of the following peaks is at the highest altitude in India?

(a) Namcha Barwa
(b) Kamet
(c) Nanda Devi
(d) Makalu

Answer: (c)

11. What was the main reason for the defeat of Sirajuddaulah at the Battle of Plassey?
    (a) Britishers cut the food supplies of Sirajuddaulah forces compelling them to surrender.
    (b) Forces led by commander Mir Jafar never fought the battle.
    (c) Sirajuddaulah's prime minister misinformed the location of Britishers.
    (d) Britishers knew the secret way to enter Sirajuddaulah's palace.
    Answer: (b)

12. Who was the Viceroy of India when Morley-Minto Reforms were introduced?
    (a) Lord Linlithgow
    (b) Lord Attlee
    (c) Lord Minto
    (d) Lord Wavell
    Answer: (c)

13. The Chera Panhara ritual is associated with:
    (a) Baisakhi in Punjab
    (b) Durga Puja in West Bengal
    (c) Navratri in Gujarat
    (d) Rath Yatra in Odisha
    Answer: (d)

14. The percentage of nitrogen in air is about _____ b' olume.
    (a) 76%
    (b) 78%
    (c) 82%
    (d) 74%
    Answer: (b)

15. Which of the following is a tough, porous and black substance, and almost a pure form of carbon?
    (a) Coke
    (b) Bitumen
    (c) Coal tar
    (d) Coal gas
    Answer: (a)

16. 'Elelakkaradi' is a tribal dance form of which Indian state?
    (a) Goa
    (b) Kerala
    (c) Rajasthan
    (d) Jharkhand
    Answer: (b)

17. What is the total duration of a hockey match as of April 2022?

(a) 60 minutes
(b) 70 minutes
(c) 80 minutes
(d) 50 minutes

Answer: (a)

18. 'SVANidhi se Samriddhi' programme launched in 2022 is associated with the Ministry of _____.

(a) Finance
(b) Education
(c) Defence
(d) Housing and Urban Affairs

Answer: (d)

19. In which of the following events did India win a gold medal in the Summer Olympics 2020 (played in 2021)?

(a) Javelin Throw
(b) Wrestling
(c) Weightlifting
(d) Badminton

Answer: (a)

20. Gorakhpur is the headquarter of _____ Railway India.

(a) North-Eastern
(b) Northern
(c) Eastern
(d) Western

Answer: (a)

21. What is the stone-like disc seen at the top of the temple in Odisha and nearby district's Temple architecture called?

(a) Kalasha
(b) Antarala
(c) Amalaka
(d) Jagati

Answer: (c)

22. _____ was appointed the new Foreign Secretary of India in April 2022.

(a) Harsh Vardhan Shringla
(b) Meenakshi Lekhi
(c) Subrahmanyam Jaishankar
(d) Vinay Mohan Kwatra

Answer: (d)

23. Who among the following has sung the famous Bollywood song ‘Channa Mereya’?
    (a) Neeti Mohan
    (b) Arijit Singh
    (c) Shreya Ghoshal
    (d) Sukhbir

    Answer: (b)

24. Who among the following is the co-founder of Darpana Academy of Performing Arts?
    (a) Pt. Birju Maharaj
    (b) Uday Shankar
    (c) Mallika Sarabhai
    (d) Mrinalini Sarabhai

    Answer: (d)

25. Abolition of Titles comes under:
    (a) Cultural and Educational rights
    (b) Right against Exploitation
    (c) Right to Freedom
    (d) Right to Equality

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

General Intelligence and Reasoning

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

Numerical Aptitude

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

General Awareness

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