PREVIOUS YEAR PAPER

SSC MTS 2021 — 6 July 2022, Shift 1

SSC MTS & Havaldar · 6 July 2022 · 9:00 AM - 10:30 AM

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

Left out of the original paper: 12 (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, 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-2021-6-jul-shift-1/

General English

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

I can't pitcure him figting or picking on anyone.

(a) I can't picture him fighting or picking on anyone.
(b) I can't pitcure him fiting or piking on anyone.
(c) I can't pitcure him fighting or pekking on anyone.
(d) I can't pictre him fighting or pickning on anyone.

Answer: (a)

2. Select the most appropriate option to fill in the blar

The boys were tired, but not too tired to examine th .tle hut _____.

(a) weirdly
(b) weakly
(c) thoroughly
(d) sluggishly

Answer: (c)

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

It is better to be prompt and organised than to be _____.

(a) provident
(b) meaningless
(c) efficient
(d) reckless

Answer: (d)

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

Why doesn't you try calling your family again?

(a) you don’t tries
(b) doesn't you tried
(c) don't you try
(d) No improvement required

Answer: (c)

5. Parts of the following sentence have been given as options. One of them may contain an error. Select the part that contains the error from the given options. If you don’t find any error, mark ‘No error’ as your answer.

The telecom growth story is a important component of the broader story of India.

(a) No error
(b) The telecom growth story is
(c) the broader story of India.
(d) a important component of

Answer: (d)

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

Their reverence reaches its zenith here at the birthplace of the country's founder.

(a) crest
(b) Nadir
(c) horizon
(d) pinnacle

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'.

His mouth left open as he realise the truth.

(a) fell open as he perceived
(b) felt opened as he perceive
(c) was felt opened as he realise
(d) No improvement required

Answer: (a)

8. 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.

Solar storms can / impact Earth-dwellers / in significantly ways.

(a) Solar storms can
(b) impact Earth-dwellers
(c) No error
(d) in significantly ways

Answer: (d)

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

I noticed some strawberries grown in which of the gardens.

(a) growing in which of
(b) grows upon one of
(c) No improvement required
(d) growing in one of

Answer: (d)

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

Random

(a) Definite
(b) Continuous
(c) Systematic
(d) Chance

Answer: (d)

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

Deliberately and maliciously set something (buildings usually) on fire

(a) Agrarian
(b) Arson
(c) Ambush
(d) Apex

Answer: (b)

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

He stood up from their chair to signal the end of the meeting.

(a) up from his
(b) upon of his
(c) No improvement required
(d) below in their

Answer: (a)

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

Shubham and I were watching football match in our bedroom.

(a) I were watched
(b) I was watching
(c) me is watching
(d) No improvement required

Answer: (d)

14. Select the correctly spelt word.

(a) Influnce
(b) Influence
(c) Influance
(d) Influennce

Answer: (b)

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

Out for the count

(a) Very expensive
(b) Prepared for battle
(c) In a deep, insensible sleep
(d) Ready for scrutiny

Answer: (c)

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

Although the waters may have receded, the aftermath of one of the world's biggest natural disaster had only just begun.

(a) the aftermath of one of the world's biggest natural disasters
(b) No improvement required
(c) the aftermath of one of the worlds' biggest natural disasters has
(d) the aftermath of one of the worlds' biggest natural disaster

Answer: (a)

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

Modest

(a) Bold
(b) Humble
(c) Dismal
(d) Grave

Answer: (b)

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

Most of the / freshwater lake in India / are in the / Himalayan region.

(a) Himalayan region
(b) Most of the
(c) are in the
(d) freshwater lake in India

Answer: (d)

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

Refute

(a) Endorse
(b) Acknowledge
(c) Deny
(d) Dispute

Answer: (a)

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

Draw the line

(a) To accept someone's idea
(b) To give a second chance
(c) To move on from a past relationship
(d) To set a limit on something

Answer: (d)

Passage — for questions 21–25

> In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.
>
> The Government is taking seriously the (1) _____ of road safety and is committed to reducing the number of people killed in accidents. Forums are being conducted (2) _____ to bring law-makers, law enforcement officers and road users together to discuss ways to (3) _____ the rise in road accidents. Everyone agrees that more needs to be done on road safety in its determination to (4) _____ the rate of road accidents in the country. The Government, with the cooperation of relevant agencies, is making serious (5) _____ to instil proper road culture in children, young adults and the public in general.

21. Select the most appropriate option to fill in blank number 1.
    (a) release
    (b) residue
    (c) issue
    (d) site

    Answer: (c)

22. Select the most appropriate option to fill in blank number 2.
    (a) regularly
    (b) habitually
    (c) terminally
    (d) rarely

    Answer: (a)

23. Select the most appropriate option to fill in blank number 3.
    (a) confess
    (b) tackle
    (c) conduct
    (d) deal

    Answer: (b)

24. Select the most appropriate option to fill in blank number 4.
    (a) curb
    (b) lure
    (c) incite
    (d) promote

    Answer: (a)

25. Select the most appropriate option to fill in blank number 5.
    (a) acknowledgements
    (b) powers
    (c) efforts
    (d) struggles

    Answer: (c)

General Intelligence and Reasoning

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

205, 222, 241, 264, 293, ?

(a) 346
(b) 324
(c) 328
(d) 334

Answer: (b)

2. In a certain code language, 'TYR' is coded as '65', and 'GAP' is coded as '26'. How will 'MOJ' be coded in that language?

(a) 40
(b) 41
(c) 38
(d) 39

Answer: (a)

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

Speech : Dumb :: Sight : Blind :: ? : Deaf

(a) Sound
(b) Vibrations
(c) Voice
(d) Language

Answer: (a)

4. In a certain code language, ‘Floors white marble’ is written as ‘tp aj pr’, ‘Tyre are hard white’ is written as ‘pr qs tr ak’ and ‘Marble are shiny’ is written as ‘tp tr 6’. What is the code for ‘Shiny floors’ in that code language?

(a) tr aj
(b) 6 ak
(c) aj 6
(d) 6 pr

Answer: (c)

5. Which of the mathematical signs should be interchanged in the given equation to make it mathematically correct?

31 ÷ 14 × 9 + 3 − 7 = 66

(a) ÷ and +
(b) ÷ and ×
(c) − and ×
(d) − and +

Answer: (a)

6. Select the option in which the two numbers are related in the same way as are the numbers in the give number pair.

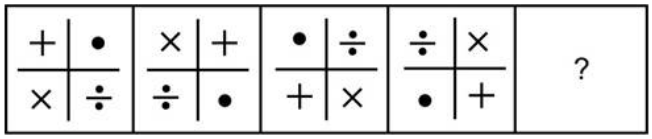
31 : 48

(a) 29 : 44
(b) 43 : 62
(c) 53 : 74
(d) 37 : 54

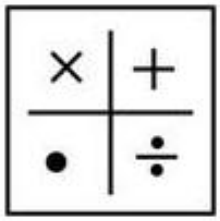
Answer: (d)

7.

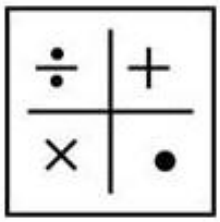
Select the figure from among the given options that can replace the question mark (?) in the following series.



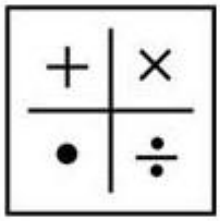
(a)



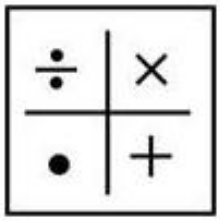
(b)



(c)



(d)



Answer: (d)

8. 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 tablets are laptops. Some laptops are computers.

Conclusions:
I. Some tablets are computers.
II. Some laptops are not tablets.

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

Answer: (c)

9. 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.

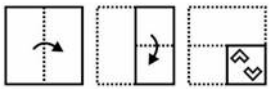
16: 38:: 26: 58:: 37: ?

(a) 78
(b) 76
(c) 74
(d) 80

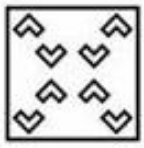
Answer: (d)

10.

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: (a)

11. Select the option that is related to the fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster.

GOOD : HSXT :: BEST : CIBJ :: COOL : ?

(a) DSSB

(b) DSXZ

(c) DSZB

(d) DSXB

Answer: (d)

12. Select the option in which the pair of letter-clusters share the same relationship as that shared by the given pair of letter-clusters.

MOB : KMZ :: ?

(a) AJK : YHN

(b) LOP : JMN

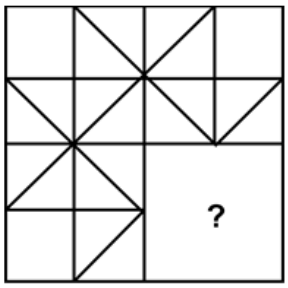
(c) BND : DLB

(d) STB : PRZ

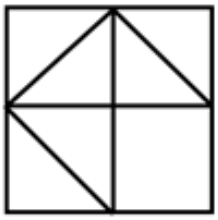
Answer: (b)

13.

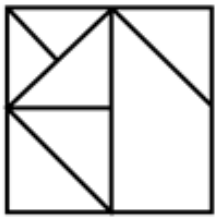
Select the figure from the options that can replace the question mark (?) and complete the pattern.



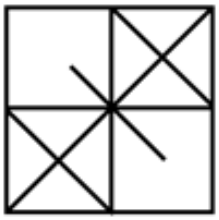
(a)



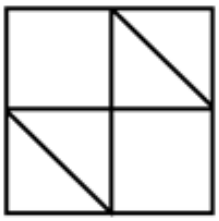
(b)



(c)



(d)



Answer: (a)

14.

Select the option figure in which the given figure is embedded.



(a)



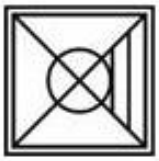
(b)



(c)



(d)



Answer: (b)

15. In a certain code language, 'CYLINDER' is written as 'CYLJNDFR', 'CERTAIN' is written as 'CFRTBJN', and 'PURPOSE' is written as 'PVRPPSF'. How will 'QUEUEING' be written in that language?

(a) QFVFVJNG

(b) QVFVEJNG

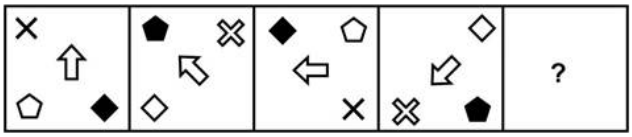
(c) RVFVEJNG

(d) QVFVFJNG

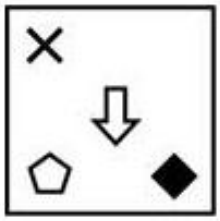
Answer: (d)

16.

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



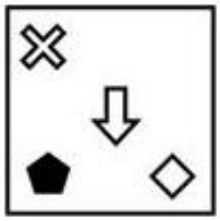
(a)



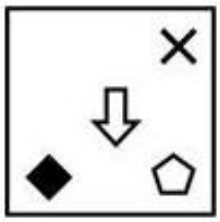
(b)



(c)



(d)



Answer: (a)

17. 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 blue are red.
II. Some green are red.

Conclusions:
I. No blue is green.
II. No red is green.

(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)

18. In a certain code language, '587' is written as 'see good pictures', '539' is written as 'good and beautiful', and '967' is written as 'pictures are beautiful'. What is the code for the word 'see' in that language?

(a) 8
(b) 7
(c) 6
(d) 5

Answer: (a)

19. Select the option that can replace the question mark (?) in the following series.

B, D, G, L, S, ?

(a) E
(b) F
(c) D
(d) C

Answer: (c)

20. Seven boys J, M, N, K, P, L and O sit in a row facing the South (but not necessarily in the same order). K sits fifth to the left of J. K does not sit at any of ends. L sits exactly in the middle of the row. L sits third to the right of M. Only two boys sit between O and P. O is not the immediate neighbour of L. Three of the following are similar by a certain logic and form a group. Which of the following does NOT belong to that group?

(a) NJ
(b) PN
(c) LO
(d) KM

Answer: (d)

21. After interchanging the two numbers 3 and 6, what will be the value of the given expression?

12 × 3 ÷ 6 + 8 – 2

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

Answer: (c)

22. 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.

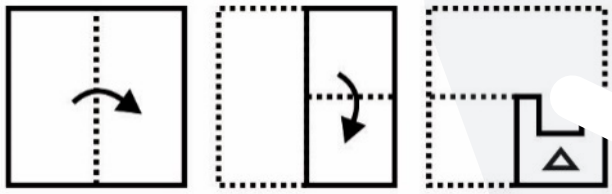
23 : 72 :: 38 : 117 :: 46 : ?

(a) 138
(b) 156
(c) 141
(d) 122

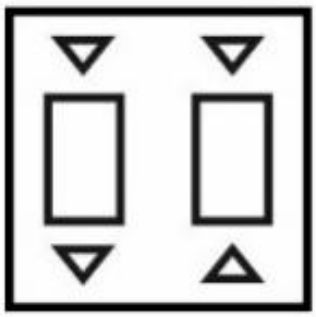
Answer: (c)

23.

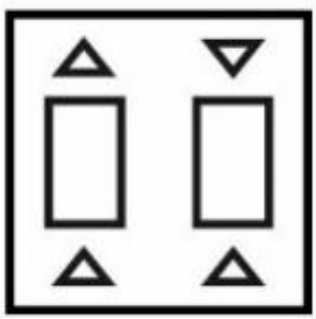
The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?



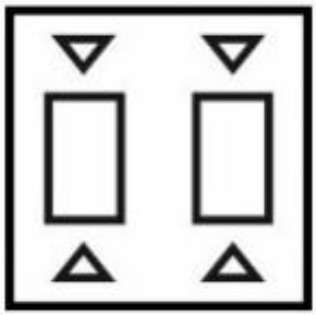
(a)



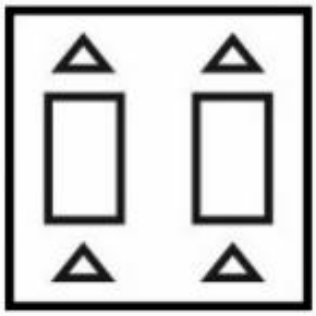
(b)



(c)



(d)



Answer: (c)

24. The weight of seven boys B1, B2, B3, B4, B5, B6 a[illegible]37 are compared. The weight of B5 is less than only one boy and more than that of B6. The wei[illegible] of B4 is neither more nor less than B6 but more than B1, B7, B3. Who weighs the most?

(a) B5

(b) B2

(c) B6

(d) B1

Answer: (b)

25. Seven sisters, Anita, Babita, Sunita, Dixita, Rita, Lalita and Geeta are standing in a row facing north. Lalita is standing to the immediate right of Rita who stands fourth to the right of Geeta. Only Sunita stands exactly between Babita and Dixita. Dixita stands at the middle position.Who stands at the rightmost position?

(a) Lalita

(b) Anita

(c) Geeta

(d) Sunita

Answer: (b)

Numerical Aptitude

1.

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

(a)

$\frac{17}{20}$

(b)

$\frac{9}{20}$

(c)

$\frac{7}{40}$

(d)

$\frac{1}{5}$

Answer: (c)

2.

The perimeter of a square is equal to the perimeter of a rectangle, and the latt ıs a width of 12 cm. The area of the square is 400 cm². Find the area of the rectangle.

(a)

412 cm²

(b)

394 cm²

(c)

324 cm²

(d)

336 cm²

Answer: (d)

3.

In a competitive exam, the minimum qualifying percentages for Category A and Category B jobs are 25% and 45%, respectively. A candidate scored 83 marks and failed to get a Category B job by 25 marks. What is the minimum qualifying marks to secure a Category A job?

(a)

55

(b)

60

(c)

50

(d)

65

Answer: (b)

4.

If $\frac{32\div16-5\times2}{11\div22\times8-5\times2}=\frac{1}{P}$, then what is the value of P?

(a)

$\frac{4}{3}$

(b)

$\frac{5}{4}$

(c)

$\frac{3}{4}$

(d)

$\frac{4}{5}$

Answer: (c)

5.

If the total surface area of a sphere of radius r cm is equal to the total surface area of a cube of side s cm, which of the following is true?

(a)

$r > s$

(b)

$r \geq s$

(c)

$r = s$

(d)

$r < s$

Answer: (d)

7.

Umesh earns a simple interest of ₹1,600 on a certain sum in two years at the rate of 4% per annum. How much more interest would he have earned if he had invested the same sum at 4% interest per annum, compounded annually?

(a)

₹48

(b)

₹64

(c)

₹32

(d)

₹20

Answer: (c)

9.

The diameter of a circle is 112 cm. What is the circumference of this circle? [Use $\pi = \frac{22}{7}$]

(a)

256 cm

(b)

396 cm

(c)

416 cm

(d)

352 cm

Answer: (d)

11.

The marked price of a table is 130% of its cost price. A discount of 20% is given on the sale of the table. What will be the profit percentage?

(a)

6%

(b)

8%

(c)

5%

(d)

4%

Answer: (d)

16.

The LCM of two positive integers is twice the larger number and the HCF of the two numbers is 3. The smaller number is:

(a)

6

(b)

10

(c)

9

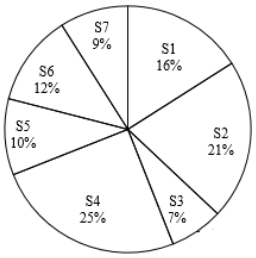
(d)

8

Answer: (a)

17.

The following pie chart shows the number of bags sold by 7 different shops during a month as percentages of the total number of bags sold during this month by these 7 shops taken together.



If the total number of bags sold during the given month by these 7 shops taken together was 1400, then what was the total number of bags sold by S3 and S7 taken together?

(a)

240

(b)

196

(c)

224

(d)

210

Answer: (c)

19.

The speed of a boat in still water is 10 km/h. The speed of the stream is 2 k What is the total distance that the boat will travel if it is rowed for 4 hours upstream and 3 hours downstream?

(a)

70 km

(b)

72 km

(c)

64 km

(d)

68 km

Answer: (d)

20.

The table below shows the number of overs bowled and the number of wickets taken by five bowlers in a match.

Bowler	Overs	Wickets
Jadeja	8	3
Jaspreet	6	2
Bumrah	5	1
Pandya	4	3
Ashwin	6	1

If in each over every bowler bowled 6 balls, in that match which bowler had bowled the highest number of balls per wicket taken by him?

(a)

Jadeja

(b)

Bumrah

(c)

Ashwin

(d)

Jaspreet

Answer: (c)

21.

What number must be subtracted from each of the numbers 55, 23, 43 and 1 that the new values are in proportion?

(a)

9

(b)

11

(c)

7

(d)

5

Answer: (c)

23.

A person has some coins of ₹10, ₹5, and ₹2 denominations. The ratio of the products of the numbers of ₹10 and ₹5 coins, the numbers of ₹5 and ₹2 coins, and the numbers of ₹2 and ₹10 coins is 3 : 4 : 2 respectively. What could be the minimum amount of money this person has?

(a)
₹52
(b)
₹88
(c)
₹68
(d)
₹74

Answer: (c)

25.

A man can row downstream at a speed of 15 km/h and upstream at 11 km/h. Find his speed in still water and the speed of the current, respectively. [Give both your answers in km/h]

(a)
13; 5
(b)
11; 4
(c)
13; 2
(d)
13; 6

Answer: (c)

General Awareness

1. Alluri Sitaram Raju was a tribal freedom fighter from which state of India?

(a) Bihar
(b) Maharashtra
(c) Andhra Pradesh
(d) Gujarat

Answer: (c)

2. Which country will host the FIFA World Cup 2022?

(a) China
(b) South Africa
(c) Qatar
(d) England

Answer: (c)

4. Which of the following elements has the largest atomic radii?

(a) Beryllium
(b) Lithium
(c) Nitrogen
(d) Carbon

Answer: (b)

5. Who won a gold medal for India in the javelin throw event at Tokyo Olympics 2020?

(a) Sumit Antil
(b) Shivpal Singh
(c) Neeraj Chopra
(d) Ajeet Singh Yadav

Answer: (c)

6. In which type of Megalith (grave/memorial) were the stone pieces set in a circular shape around the grave?

(a) Cairn circle
(b) Dolmen
(c) Rock cut cave
(d) Menhir

Answer: (a)

7. Who among the following was Akbar's revenue mi er?

(a) Tansen
(b) Todar Mal
(c) Raja Man Singh
(d) Birbal

Answer: (b)

8. The feature of Fundamental Rights in the Indian Constitution is borrowed from the Constitution of _____.

(a) Australia
(b) Britain
(c) Ireland
(d) United States of America

Answer: (d)

9. Sundari trees are found in the _____.

(a) Mahanadi delta
(b) Ganga-Brahmaputra delta
(c) Godavari delta
(d) Muthupet delta

Answer: (b)

10. In which state of India is the Natyanjali festival celebrated?

(a) Goa
(b) Tamil Nadu
(c) Uttar Pradesh
(d) Rajasthan

Answer: (b)

11. The number of females per 1000 males in the population is called the _____.

(a) birth rate
(b) sex ratio
(c) death rate
(d) literacy rate

Answer: (b)

13. _____ includes all non-living components, such as air, cloud, dust, land, mountains, rivers, temperature, humidity, water, water vapour, sand, etc.

(a) Biotic environment
(b) Abiotic environment
(c) Artificial environment
(d) Healthy environment

Answer: (b)

14. Name the album for which Pandit Ravi Shankar w the Grammy award in 1967.

(a) Three Ragas
(b) West Meets East
(c) Concert for Bangladesh
(d) Full circle

Answer: (b)

15. The state legislative assembly has a strength of ____, with exceptions for smaller states.

(a) 600 to 1000
(b) 60 to 500
(c) 50 to 400
(d) 10 to 100

Answer: (b)

16. Who among the following freedom fighters of India revived the Indian National Army 'Azad Hind Fauj' (which was formed in 1942 by Rash Behari Bose and Captain-General Mohan Singh) in the year 1943?

(a) Mahatma Gandhi
(b) Jawaharlal Nehru
(c) Bhagat Singh
(d) Subhas Chandra Bose

Answer: (d)

17. Sattriya is a classical dance form of which Indian state?

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

Answer: (c)

18. Which countries hosted the matches played in the 2021 ICC Men's T20 World Cup?

(a) Egypt and Ethiopia
(b) India and Bangladesh
(c) United Arab Emirates and Oman
(d) Bangladesh and Sri Lanka

Answer: (c)

19. Which of the following rivers of India drains into the Bay of Bengal?

(a) Tapi
(b) Godavari
(c) Narmada
(d) Mahi

Answer: (b)

20. Who among the following Indian dancers was the ,t woman in Indian history to be nominated as a member of the Rajya Sabha?

(a) Rukmini Devi Arundale
(b) Madhuri Dixit
(c) Mallika Sarabhai
(d) Saroj Khan

Answer: (a)

21. The Jagananna Smart Township scheme was launched by which state government of India?

(a) Madhya Pradesh
(b) Punjab
(c) Odisha
(d) Andhra Pradesh

Answer: (d)

22. As of April 2022, what is the capital of India's neighbouring country Bhutan?

(a) Thimphu
(b) Dhaka
(c) Beijing
(d) Paro

Answer: (a)

23. Which of the following glands/organs in human body secretes bile juice?

(a) Pancreas

(b) Liver

(c) Pituitary

(d) Pineal

Answer: (b)

24. Bonalu is a Hindu festival celebrated to worship Goddess Mahakali in which of the following states?

(a) Telangana

(b) Assam

(c) Kerala

(d) Madhya Pradesh

Answer: (a)

25. The steep rocky coast rising almost vertically above sea water is called _____.

(a) sea caves

(b) sea cliff

(c) sea arches

(d) ox-bow lake

Answer: (b)

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

General Intelligence and Reasoning

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

Numerical Aptitude

1	**(c)**	2	**(d)**	3	**(b)**	4	**(c)**	5	**(d)**	7	**(c)**	9	**(d)**	11	**(d)**								
16	**(a)**	17	**(c)**	19	**(d)**	20	**(c)**	21	**(c)**	23	**(c)**	25	**(c)**										

General Awareness

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