PREVIOUS YEAR PAPER

SSC MTS 2021 — 14 July 2022, Shift 1

SSC MTS & Havaldar · 14 July 2022 · 9:00 AM - 10:30 AM

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

Left out of the original paper: 9 (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 14 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-2021-14-jul-shift-1/

General English

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

Bulky

(a) Airy
(b) Soft
(c) Massive
(d) Scanty

Answer: (c)

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

Hardly had he disappeared that her mothe[illegible]mp[illegible]down the steps, looking for him.

(a) Hardly did he disappeared that her mo[illegible].
(b) Hardly had he disappear that her mother
(c) No improvement required
(d) Hardly had he disappeared when her mother

Answer: (d)

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

My friend is not _____ for this complicated assignment.

(a) worthy
(b) comfortable
(c) suitable
(d) entitled

Answer: (c)

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

But if you _____ to spare before you do catch the bus, be sure to pop in.

(a) have a meeting
(b) have a moment
(c) have a nap
(d) have a ride

Answer: (b)

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

Michael nodded and begun writing at his pad.

(a) begun to write in
(b) begin writing in
(c) began writing on
(d) No improvement required

Answer: (c)

6. 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'.

Just try and recall the poor people you saw on the st .s, on local trains, and in slums on our way back.

(a) have been seen on the
(b) seen on the
(c) have seeing on the
(d) No substitution required

Answer: (d)

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

An unidentified man on an bike dropped for the box outside the building.

(a) a bike dropped off
(b) a bike dropping for
(c) a bike drop of
(d) No improvement required

Answer: (a)

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

Maestro

(a) Genius
(b) Senile
(c) Slender
(d) Novice

Answer: (a)

9. 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.

My mother exclaimed / at how fast / the days had pass.

(a) at how fast
(b) No error
(c) My mother exclaimed
(d) the days had pass

Answer: (d)

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

To raise a dust

(a) To meet one's defeat
(b) To be satisfied with what you have achieved
(c) To be secretly or inwardly amused
(d) To cause disruption or confusion

Answer: (d)

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

One day, the queen was painting when a messenger entered _____ to convey the king's arrival.

(a) comparably
(b) relatively
(c) enjoyably
(d) breathlessly

Answer: (d)

13. 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.

Hundreds of migrants work in private firms in Erode.

(a) firms in Erode
(b) No error
(c) Hundreds of migrants
(d) work in private

Answer: (b)

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

Can all us sleep in the same room, Mother?

(a) May all we
(b) Can we all
(c) Should us all
(d) No improvement required

Answer: (b)

15. Parts of the given 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.

Neither she not I am going to take part in the debate competition.

(a) am going to take part
(b) No error
(c) Neither she not I
(d) in the debate competition

Answer: (c)

16. Select the correctly spelt word.

(a) Hieght
(b) Beleive
(c) Fiery
(d) Foriegn

Answer: (c)

17. Select the INCORRECTLY spelt word.

(a) Strangled
(b) Dominion
(c) Solitory
(d) Persecution

Answer: (c)

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

You really need to exercise daily, if you want to live a long and _____ life.

(a) marginal
(b) shrieking
(c) wealthy
(d) healthy

Answer: (d)

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

That lady must have an axe to grind that's why she is not reporting your crime.

(a) To have a tedious job
(b) To have a crucial information
(c) To delay one's actions
(d) To have an ulterior motive

Answer: (d)

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

Unfeigned

(a) Sincere
(b) Genuine
(c) Pretended
(d) Expressive

Answer: (c)

Passage — for questions 21–25

> In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.
>
> When he died on 27 November 1953, Gladstone O'Neill was (1) _____ recognised as one of the major dramatists of the modern world. Four times a Pulitzer Prize-winner, he had also been (2) _____ the 1936 Nobel Prize for Literature. His plays have been translated into most major languages and read by more people than those of (3) _____ other playwright except W Shakespeare and maybe G Bernard Shaw. O'Neill was a puzzle to his friends – a genuinely shy, brooding, complicated man in whom (4) _____ alternated with touching kindness. He was both, naive and worldly. One biographer found him "sentimental one instant, hard as nails the next." His widow, after 26 years with O'Neill, said, "To (5) _____ his work you must understand the man, for the work and the man are one."

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

(a) manically
(b) universally
(c) specifically
(d) casually

Answer: (b)

22. Select the most appropriate option to fill in blank number 2.
    (a) rewarded
    (b) awarded
    (c) unaided
    (d) crowded
    Answer: (b)

23. Select the most appropriate option to fill in blank number 3.
    (a) none
    (b) few
    (c) any
    (d) some
    Answer: (c)

24. Select the most appropriate option to fill in blank number 4.
    (a) failure
    (b) success
    (c) benefit
    (d) cruelty
    Answer: (d)

25. Select the most appropriate option to fill in blank number 5.
    (a) prepare
    (b) produce
    (c) understand
    (d) demonstrate
    Answer: (c)

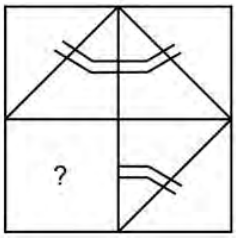
General Intelligence and Reasoning

1. What will be the value of the following expression, if '×' and '–' are interchanged and '+' and '÷' are interchanged?

200 ÷ 100 × 300 ÷ 200 + 10 – 2 × 40 = ?
    (a) 200
    (b) 2
    (c) 40
    (d) 0
    Answer: (d)

2.

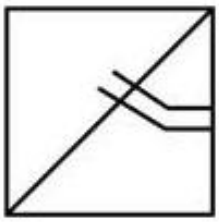
Select the figure from the options that can replace the question mark (?) and complete the given pattern. (Rotation is not allowed)



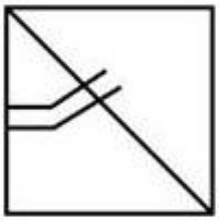
(a)



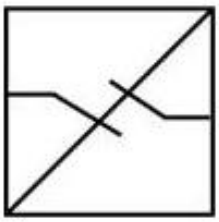
(b)



(c)



(d)



Answer: (a)

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

27 − 8 × 4 − 3 ÷ 2 = 1

(a) 2 and 8
(b) 2 and 3
(c) 3 and 4
(d) 8 and 4

Answer: (c)

4. In a certain code language, ‘heart black blue’ is written as ‘8 # ab’, ‘grey are blue’ is written as ‘# pr kt’. How will ‘blue’ be written in that language?

(a) ab
(b) pr
(c) #
(d) 8

Answer: (c)

5. 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.

TACKLE : TCCMLG :: JACKET : JCCMEV :: NEPTUNE : ?

(a) PEPTVOE
(b) PERTWNG
(c) NFGPVUP
(d) NGPVUPE

Answer: (d)

6. Select the option in which the numbers are related in the same way as are the numbers in the given set.

(7, 49, 343)

(a) (5, 25, 625)
(b) (11, 121, 1321)
(c) (13, 169, 2197)
(d) (3, 9, 29)

Answer: (c)

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

Virat Kohli : Cricket :: Saina Nehwal : Badminton :: Viswanathan Anand : ?

(a) Basketball

(b) Chess

(c) Tennis

(d) Football

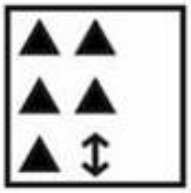
Answer: (b)

9.

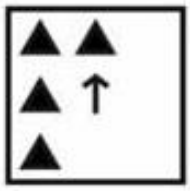
Select the figure from among the given options that can replace the question mark (?) in the following series.



(a)



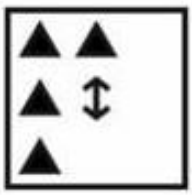
(b)



(c)



(d)



Answer: (d)

10. 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.

LOB : DQN :: HER : ?

(a) TGK

(b) TGJ

(c) JGU

(d) JGT

Answer: (b)

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

524, 533, 544, 557, ?

(a) 574

(b) 568

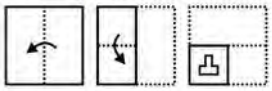
(c) 572

(d) 564

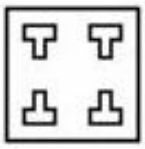
Answer: (c)

12.

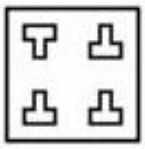
The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?



(a)



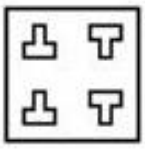
(b)



(c)



(d)



Answer: (a)

13. The marks of seven students A, B, C, D, E, F and G in a test were given as follows: A's score was exactly between E's and F's scores. B's score was more than only G's score. C's score was immediately more than B's score. F's score was more than E's score and F did not score the highest. Who scored the highest marks in the test?

(a) A

(b) G

(c) E

(d) D

Answer: (d)

14. In a certain code language, 'GRSTB' is written as 'GYXWL', and 'HANDS' is written as 'XISFM'. How will 'MNDET' be written in that language?

(a) YJITS

(b) YJIRS

(c) JIISR

(d) YJISR

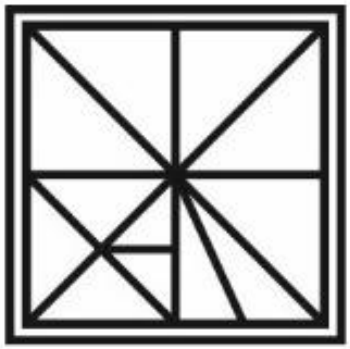
Answer: (d)

15.

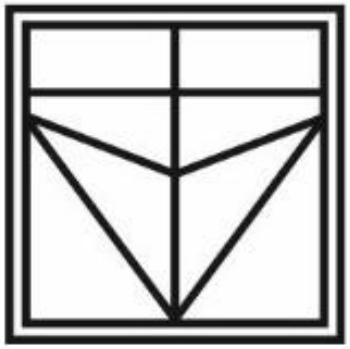
Select the option in which the given figure is embedded. (Rotation is not allowed)



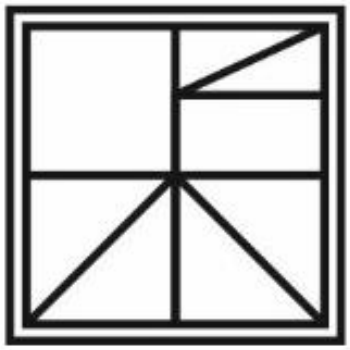
(a)



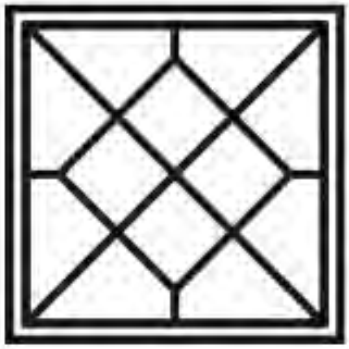
(b)



(c)



(d)



Answer: (d)

16. In a certain code language, 'GEFS' is written as 'HFER' and 'IBIS' is written as 'JCHR'. How will 'STIR' be written in that language?

(a) RSHQ
(b) TUJS
(c) RUHS
(d) TUHQ

Answer: (d)

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 M are Q. II. All V are Q.

Conclusions: I. Some Q are M.
II. No M is V.

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

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: All hexagons are pentagons. All pentagons are octagons. All octagons are decagons.

Conclusions:
I. All decagons are hexagons.
II. All hexagons are octagons.

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

Answer: (c)

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

28, 27, 31, 22, 38, 13, 49, ?

(a) 42
(b) 2
(c) 0
(d) 22

Answer: (c)

20. In a certain code language, 'ACQUIRE' is written as 'QCAUERI', 'ADDRESS' is written as 'DDARSSE', and 'ABILITY' is written as 'IBALYTI'. How will 'ICEBERG' be written in that language?

(a) GREBECI

(b) GREBICE

(c) ECIBGRE

(d) ICEBGRE

Answer: (c)

21. Five friends N, M, O, P and Q are sitting in a column facing east (but not necessarily in the same order) . O is sitting to the leftmost side. N is the immediate neighbour of M and Q. P is not sitting on any of the end seats. Who is the immediate neighbour of O?

(a) M

(b) Q

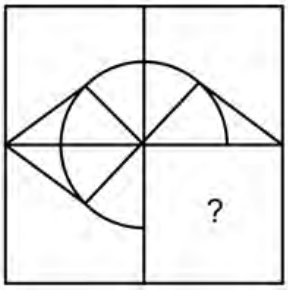
(c) P

(d) N

Answer: (c)

22.

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



(a)



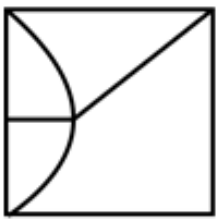
(b)



(c)



(d)



Answer: (a)

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

AEI, EIO, IOU, ?

(a) UAE
(b) AEI
(c) OUA
(d) AII

Answer: (c)

24. 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.

3 : 72 :: 21 : 504 :: 36 : ?

(a) 480
(b) 864
(c) 632
(d) 376

Answer: (b)

25. Seven boys B1, B2, B3, B4, B5, B6 and B7 are sitting around a circular table facing towards the centre (not necessarily in the same order). B1 is third to the left of B7. B4 is to immediate left of B1. B2 is second to the left of B6. B6 is not an immediate neighbour of B5. Who are the immediate neighbours of B3?

(a) B5 and B4
(b) B6 and B7
(c) B1 and B2
(d) B4 and B6

Answer: (d)

Numerical Aptitude

2.

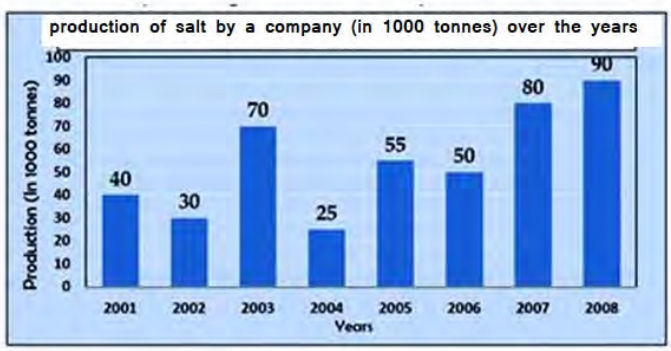
What is the average of the squares of the first five natural numbers?

(a)
11.5
(b)
10
(c)
12.5
(d)
11

Answer: (d)

3.

The given bar graph given below provides information about the quantity of salt produced by a company in 8 consecutive years. Study the information provided in the bar graph and answer the question that follows.



The average production of salt in 2001 and 2003 was exactly equal to the average production of salt in which of the following pairs of years?

(a)

2006 and 2007

(b)

2001 and 2005

(c)

2002 and 2007

(d)

2005 and 2006

Answer: (c)

4.

The perimeter of a rectangle is 68 cm. If the area of the rectangle is 240 cm^2, then what is the length of each of its diagonals?

(a)

25 cm

(b)

27 cm

(c)

26 cm

(d)

28 cm

Answer: (c)

6.

Find a single discount equivalent to two successive discounts of 12% and 8%.

(a)

18.8%

(b)

19.04%

(c)

19.4%

(d)

19.8%

Answer: (b)

7.

The present ages of A and B are in the ratio 3 : 5. If A's present age is 33 years, then what will be B's age (in years) after 5 years?

(a)

65

(b)

60

(c)

50

(d)

55

Answer: (b)

8.

If $A = 3 + 7 \times 2$, $B = 12 \div 4 - 6$, and $C = 6 \times 5 + 2$, then what is the value of $A \times B + C$?

(a)

-22

(b)

-19

(c)

-25

(d)

-26

Answer: (b)

11.

The cost prices of a pen and a notebook are ₹600 and ₹4,000, respectively. If the pen and the notebook are sold at losses of 20% and 32%, respectively, what will be the approximate percentage of total loss incurred through the two sales made?

(a)

21.40%

(b)

26.08%

(c)

30.43%

(d)

28.42%

Answer: (c)

12.

Find the total cost of painting the outside of a closed cuboidal box, which is 7 m long, 5m wide and 2m high, at the rate of ₹2.4 per m^2.

(a)

₹296.30

(b)

₹263.40

(c)

₹283.20

(d)

₹251.20

Answer: (c)

15.

The ratio of the LCM of two numbers to the sum of the same two numbers is 12 : 7. If their HCF is 4, what is the product of these two numbers?

(a)

192

(b)

172

(c)

196

(d)

169

Answer: (a)

17.

Study the given table and answer the question that follows.

The table shows the amount earned (in ₹ '000) by five different movies across all screens a movie was played.

Movies	**Amount collected per movie** (in ₹ '000)
M1	450
M2	370
M3	510
M4	640
M5	830

All the movies were displayed on 50 screens each. What is the average amount earned per movie, per screen, all movies and all screens are taken together?

(a)

₹14,200

(b)

₹11,200

(c)

₹12,600

(d)

₹13,400

Answer: (b)

18.

X alone can complete a piece of work in 16 days, while Y alone can complete the same work in 24 days. They work on alternate days starting with Y. In how many days will 50% of the total work be completed?

(a)

$\frac{24}{3}$ days

(b)

$\frac{29}{3}$ days

(c)

$\frac{32}{3}$ days

(d)

9 days

Answer: (b)

19.

The average of all the numbers between 14 and 61 which are divisible by 5 is:

(a)

37.5

(b)

38

(c)

40

(d)

44

Answer: (a)

21.

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

$\sqrt{19 \times 650 \div 13 + 18.5 \times 4} \times 13 = ?$

(a)

416

(b)

418

(c)

413

(d)

415

Answer: (a)

22.

A person goes from P to Q at a speed of 20 km/h. Then he goes from Q to R at a speed of q km/h. Finally the person goes from R to S at a speed of r km/h. The distances from P to Q, Q to R and R to S are equal. If the average speed from P to R is $\frac{280}{11}$ km/h, and the average speed from Q to S is $\frac{112}{3}$ km/h, then what is the value of r?

(a)

40

(b)

37.5

(c)

42.5

(d)

45

Answer: (a)

23.

The length of each side of a cube is 4 cm. What is the volume of the cube?

(a)

$128\ cm^3$

(b)

$48\ cm^3$

(c)

$64\ cm^3$

(d)

$32\ cm^3$

Answer: (c)

24.

The amount received after 8 years on a certain sum of money invested at the rate of 18% simple interest per annum is ₹1,220. What was the initial sum invested?

(a)

₹500

(b)

₹480

(c)

₹420

(d)

₹450

Answer: (a)

25.

Piu and Titu start from the same place at the same time and walk in opposite directions. If Piu walks at 5 km/h and Titu walks at 2 km/h, after what time will they be 10.5 km apart?

(a)

3.5 hours

(b)

1.5 hours

(c)

2.5 hours

(d)

2 hours

Answer: (b)

General Awareness

1. Which part of the Constitution of India talks about the Directive Principles of State Policy?
   (a) Part IV
   (b) Part V
   (c) Part III
   (d) Part II
   Answer: (a)

2. Who among the following was a famous Indian playback singer and an actor too?
   (a) Kashinath Ghanekar
   (b) Kishore Kumar
   (c) Pranab Mukherjee
   (d) Sunil Chhetri
   Answer: (b)

3. The Purple Revolution, which was launched in Jammu and Kashmir, is also known as _____.
   (a) Lavender Revolution
   (b) Indigo Revolution
   (c) Orchids Revolution
   (d) Lilac Revolution
   Answer: (a)

4. Who among the following founded Brahmo Sama Calcutta (Kolkata)?
   (a) Swami Vivekanand
   (b) Swami Dayanand Saraswati
   (c) Ishwar Chandra Vidyasagar
   (d) Raja Ram Mohan Roy
   Answer: (d)

5. Which of the following is NOT a cause of rural poverty in India?
   (a) Migration from rural areas
   (b) Lack of alternate employment opportunities other than agriculture
   (c) Illiteracy
   (d) Lack of capital
   Answer: (a)

6. Who is the Chairman of Financial Stability and Development Council (FSDC) of India?
   (a) Finance Minister
   (b) Human Resource Development Minister
   (c) Home Minister
   (d) Skill Development Minister
   Answer: (a)

7. The Great Indian Novel is written by the famous politician _____.

(a) Varun Gandhi
(b) Derek O'Brien
(c) AK Antony
(d) Shashi Tharoor

Answer: (d)

8. Which of the given statements related to the temples of India is correct?

I.The Nagara style of architecture is also known as the North Indian style

II.The Dravidian style of architecture is also known as the South Indian style.

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

Answer: (b)

9. The uplifted blocks of block mountains are called _____.

(a) horsts
(b) grabens
(c) slopes
(d) cones

Answer: (a)

10. Dantidurga belonged to which dynasty of ?

(a) Chalukya
(b) Chola
(c) Rashtrakuta
(d) Chera

Answer: (c)

11. Bagurumba is a folk dance of which Indian state?

(a) Haryana
(b) Karnataka
(c) Assam
(d) Goa

Answer: (c)

12. The number of persons per unit area gives the measurement of _____.

(a) population density
(b) population sex ratio
(c) population movements
(d) population growth rate

Answer: (a)

13. 'Ambubachi' festival of Assam is celebrated in the month of _____ every year.
    (a) March
    (b) December
    (c) January
    (d) June
    Answer: (d)

14. Harshavardhana (r. 606-647 CE) was a ruler of _____ dynasty.
    (a) Mughal
    (b) Maurya
    (c) Gupta
    (d) Pushyabhuti
    Answer: (d)

15. All India Muslim League was formed in _____.
    (a) 1906
    (b) 1910
    (c) 1905
    (d) 1908
    Answer: (a)

16. All the changes in the weather are driven by the _ _.
    (a) moon
    (b) sun
    (c) stars
    (d) Jovian planets
    Answer: (b)

17. The HVJ gas pipeline from Hazira in Gujarat to Jagdishpur in Uttar Pradesh passes through which state?
    (a) Jharkhand
    (b) Madhya Pradesh
    (c) Himachal Pradesh
    (d) Uttarakhand
    Answer: (b)

18. Tapeworm belongs to which group of the animal kingdom?
    (a) Annelida
    (b) Platyhelminthes
    (c) Porifera
    (d) Coelenterata
    Answer: (b)

19. Which of the following is an Indian game of snake boat race?

(a) Kho-Kho
(b) Vallam kali
(c) Mallakhamb
(d) Field hockey

Answer: (b)

20. The judiciary has the power to strike down particular laws passed by the Parliament if it believes that these are a violation of the basic structure of the Constitution. This is called _____.

(a) judicial review
(b) dispute resolution
(c) judicial activism
(d) public interest litigation

Answer: (a)

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

(a) Ravi Kumar Dahiya
(b) Bajrang Punia
(c) Lovlina Borgohain
(d) PV Sindhu

Answer: (a)

22. Who became the new Chief Minister of Punjab in arch 2022?

(a) Navjot Singh Sidhu
(b) Amarinder Singh
(c) Bhagwant Mann
(d) Arvind Kejriwal

Answer: (c)

23. Which of the following gases shields the surface of earth from ultraviolet (UV) radiation from the sun?

(a) Carbon monoxide
(b) Ozone
(c) Oxygen
(d) Carbon dioxide

Answer: (b)

24. Which of the following is an example of contact force?

(a) Electrostatic force
(b) Muscular force
(c) Gravitational force
(d) Magnetic force

Answer: (b)

25. Kalamandalam Kalyanikutty Amma is known for which classical dance form?

(a) Manipuri

(b) Kuchipudi

(c) Odissi

(d) Mohiniyattam

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

General Intelligence and Reasoning

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

Numerical Aptitude

2	**(d)**	3	**(c)**	4	**(c)**	6	**(b)**	7	**(b)**	8	**(b)**
11	**(c)**	12	**(c)**	15	**(a)**	17	**(b)**	18	**(b)**	19	**(a)**
21	**(a)**	22	**(a)**	23	**(c)**	24	**(a)**	25	**(b)**		

General Awareness

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