PREVIOUS YEAR PAPER

SSC MTS 2021 — 25 July 2022, Shift 2

SSC MTS & Havaldar · 25 July 2022 · 1:00 PM - 2:30 PM

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 25 July 2022, 1:00 PM - 2:30 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-2021-25-jul-shift-2/

General English

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

Kill two birds with one stone

(a) Make peace after an argument
(b) Face several problems at a time
(c) Act cordially despite conflict
(d) To achieve two things by doing a single action

Answer: (d)

2. Parts of the given sentence have been given as op s. One of them may contain an error. Select the part that contains the error from the given optior f you don't find any error, mark 'No error' as your answer.

When I reached there she have already starte g.

(a) No error
(b) When I reached
(c) there she have
(d) already started eating

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'.

Not everything <u>that happen in natures</u> is due to global warming alone.

(a) that happening on nature
(b) which happens in natures
(c) No improvement required
(d) that happens in nature

Answer: (d)

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

Bite someone's head off

(a) Respond to someone with anger that is often sudden or unprovoked
(b) Ignoring something that is evidently wrong or unavoidable
(c) Cause something to be done in a new way
(d) Guessing or estimating without full information

Answer: (a)

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

The park is a/an _____ place to stroll and exercise.

(a) unopen
(b) doubtful
(c) ideal
(d) fussy

Answer: (c)

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

Instead of unambiguous statements, the Union contents itself with simple analyses.

(a) Complex
(b) clear
(c) Auspicious
(d) Antiquated

Answer: (a)

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

Students of St. Xavier's _____ away all the prizes.

(a) bearing
(b) bore
(c) borne
(d) bears

Answer: (b)

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

The truck picked up more then the usual amount of garbage from our neighbourhood.

(a) greater then
(b) more than
(c) much than
(d) No improvement required

Answer: (b)

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

An abbreviation formed from the initial letters of other words and pronounced as a word

(a) Caption
(b) Slogan
(c) Flotilla
(d) Acronym

Answer: (d)

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

My mother _____ the maid for her hard work.

(a) priced
(b) prized
(c) praised
(d) prayed

Answer: (c)

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

Bustle

(a) Rush
(b) Praise
(c) Force
(d) Block

Answer: (a)

12. Select the INCORRECTLY spelt word.

(a) Contencious
(b) Prevaricate
(c) Refute
(d) Revere

Answer: (a)

13. 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.

Surgical strike is not the only solution to this problem standing at front of us.

(a) No error
(b) Surgical strike is not the
(c) only solution to this problem
(d) standing at front of us

Answer: (d)

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

Reliable

(a) Doubtful
(b) Dependable
(c) Dubious
(d) Dodgy

Answer: (b)

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

In the nineteenth century, many new ideas about education and learning were being emerged.

(a) was emerging
(b) have emerging
(c) No improvement required
(d) emerged

Answer: (d)

16. 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.

Lucy was annoyed to discover / that her husband / h taking her car keys.

(a) No error
(b) that her husband
(c) Lucy was annoyed to discover
(d) had taking her car keys

Answer: (d)

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

I gives him some orange juice from the refrigerator.

(a) gave him some
(b) gives him any
(c) given him some
(d) No improvement required

Answer: (a)

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

Pragmatic

(a) Prudent

(b) Aesthetic

(c) Impractical

(d) Dull

Answer: (c)

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

The main street, which is neither broad nor _____, runs past this square on its way to the railway-station.

(a) shallow

(b) wide

(c) high

(d) narrow

Answer: (d)

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

I should seccure some company for my lonelly hours.

(a) I should sicure some company for my lonelie h[illegible]s.

(b) I should secur some company for my loneley [illegible]urs.

(c) I should secoure some company for [illegible] lon[illegible] nours.

(d) I should secure some company for my [illegible] nours.

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.
>
> Tragedy has once again struck the Valachukettil family of Sooppikkada village in Kerala's Kozhikode district as one more member (1) _____ to the Nipah virus infection on Thursday. District Medical Officer V Jayashree told that V Moosa, 60, who had been (2) _____ treatment at Baby Memorial Hospital in the city, died on May 24 morning. This is the fourth death in the family as Moosa's sons Mohammed Sabith and Mohammed Salih, and sister-inlaw Mariyam too had died of the infection (3) _____ May. With this, the death (4) _____ due to the virus infection has gone up to 12. Two persons, whose blood and body fluid samples were (5) _____ positive for the infection, are undergoing treatment.

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

(a) died

(b) succumbed

(c) pioneered

(d) embezzled

Answer: (b)

22. Select the most appropriate option to fill in blank number 2.
    (a) working
    (b) managing
    (c) devising
    (d) undergoing
    Answer: (d)

23. Select the most appropriate option to fill in blank number 3.
    (a) through
    (b) on
    (c) in
    (d) for
    Answer: (c)

24. Select the most appropriate option to fill in blank number 4.
    (a) tole
    (b) toll
    (c) scroll
    (d) roll
    Answer: (b)

25. Select the most appropriate option to fill in blank number 5.
    (a) implemented
    (b) supported
    (c) tested
    (d) rested
    Answer: (c)

General Intelligence and Reasoning

1. In a certain code language, 'life and love' is written as 'ri ti gi', 'life is tangible' is written as 'mi pi ri', and 'love is pure' is written as 'mi gi oi'. How will 'love' be written in that language?
    (a) gi
    (b) mi
    (c) ti
    (d) oi
    Answer: (a)

2. 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.

SUT5 : PRQ11 :: DFE8 : ACB14 :: LNM12 : ?

(a) IKJ18

(b) UWV14

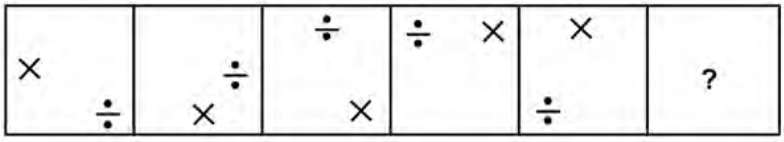
(c) STU16

(d) UVW18

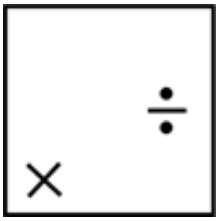
Answer: (a)

3.

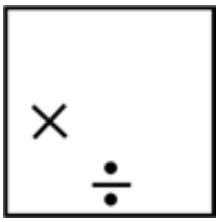
Select the figure from among the given options that can replace the question mark (?) in the following series.



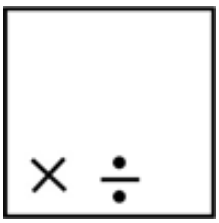
(a)



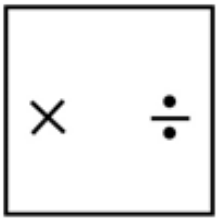
(b)



(c)



(d)



Answer: (b)

4. In a company, seven employees A, B, C, M, K, L and O work on 7 different levels (1 being the highest and 7 being the lowest level). B is above C and C is above just two employees. There are more than four employees above M. B is one level above A and one level below K. L is at level 7. K is below O. How many employees are above A?

(a) Four

(b) Two

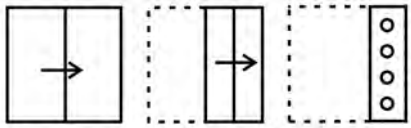
(c) Three

(d) Five

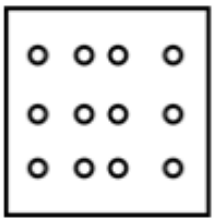
Answer: (c)

6.

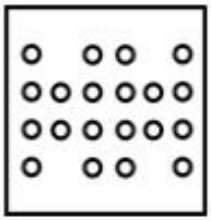
The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?



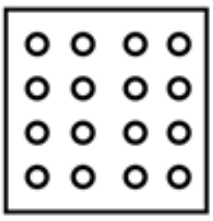
(a)



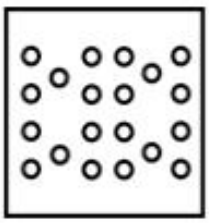
(b)



(c)



(d)



Answer: (c)

7. 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.

PIN : VAX :: RBX : ?

(a) YUH
(b) XUH
(c) XVH
(d) XTH

Answer: (d)

8. In a certain code language, 'Tings are black red' is coded as 'pr 6 @ rm', 'Black yellow creatures' is coded as 'fg rm 9', and 'Hinge are creatures' is coded as '@ lp fg'. What is the code for 'creatures are' in that language?

(a) fg pr
(b) fg rm
(c) fg @
(d) lp 9

Answer: (c)

9. In a certain code language, 'Phones are burning' is coded as '7 8 3', and 'That coach was burning' is coded as '6 3 2 4'. What can be the code for 'are' in that language?

(a) 3
(b) 2
(c) 8
(d) 6

Answer: (c)

10. 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 X are M.
II. Some D are M.

Conclusions: I. All X are D. II. No M is D. III. Some X are not D.

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

Answer: (d)

11. Select the option in which the two numbers are related in the same way as are the numbers in the given number-pair.

19 : 57 :: ?

(a) 23 : 47

(b) 31 : 91

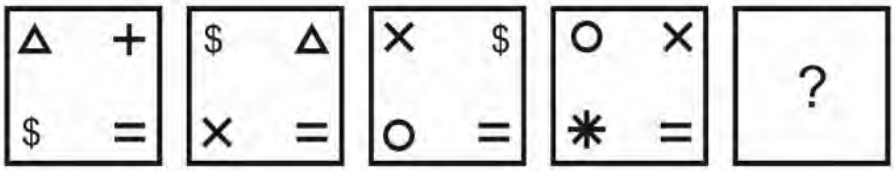
(c) 29 : 87

(d) 17 : 47

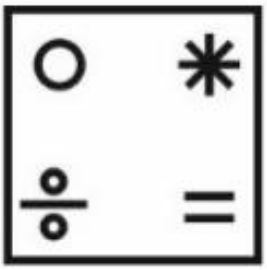
Answer: (c)

12.

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



(a)



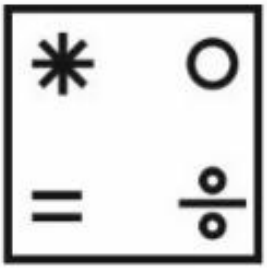
(b)



(c)



(d)



Answer: (c)

13. 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.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g.13 – Operations on 13 such as adding /deleting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)

12 : 8 :: 28 : 16 :: 6 : ?

(a) 2
(b) 3
(c) 5
(d) 6

Answer: (c)

14. 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 tyres are bats.
II. All tyres are laws.

Conclusions:
I. All laws are bats.
II. All bats are tyres.

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

Answer: (d)

15.

Select the option in which the given figure is embedded.



(a)



(b)



(c)



(d)



Answer: (d)

16. In a certain code language, 'WORK' is coded as '67', and 'CUP' is coded as '40'. How will 'KITE' be coded in that code language?

(a) 36

(b) 45

(c) 38

(d) 42

Answer: (b)

17. 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 : 45 :: 36 : 105 :: 49 : ?

(a) 142

(b) 152

(c) 147

(d) 144

Answer: (d)

18. Eight boys M, N, O, P, Q, R, S and T are sitting in a row, facing towards the north (but not necessarily in the same order). R is fifth to the right of M. P is fifth to the right of Q. Q is to the immediate right of M. T is third to the left of P. N is third to the right of S. S is an immediate neighbour of M. Which of the following statements is/are NOT correct? I. N is third to the left of R. II. P is sixth to the right of M.

(a) Only I

(b) Both I and II

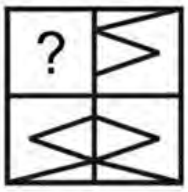
(c) Neither I nor II

(d) Only II

Answer: (b)

19.

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



(a)



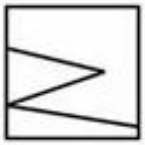
(b)



(c)



(d)



Answer: (a)

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

ABCD, YZEF, WXGH, UVIJ, ?

(a) STKL

(b) STLM

(c) TSKL

(d) TLSK

Answer: (a)

21. Drake, Pawan, Gagan, Laxman are sitting around a circular table facing the centre(but not necessarily in the same order). Drake is to the immediate right of Gagan, and Laxman is exactly between Drake and Pawan. Which of the following is true about the arrangement?

(a) Pawan is to the immediate left of Laxman.

(b) Pawan is to the immediate left of Gagan.

(c) Drake is to the immediate neighbour of pawan and Gagan.

(d) Drake is to the immediate left of Pawan.

Answer: (b)

22. 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.

HP : DT :: RX : ?

(a) MB

(b) MC

(c) NC

(d) NB

Answer: (d)

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

5 – 4 ÷ 2 × 10 + 7 = 7

(a) 10 and 2

(b) 5 and 7

(c) 5 and 2

(d) 10 and 5

Answer: (d)

24.

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)

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

48, 96, 288, 1152, ?, 34560

(a) 5980

(b) 5760

(c) 5850

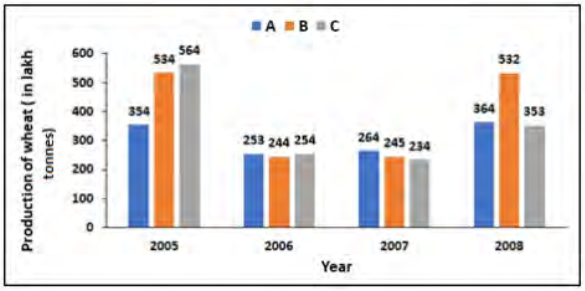
(d) 5720

Answer: (b)

Numerical Aptitude

1.

The following graph shows the production of wheat (in lakh tonnes) by states A, B and C in four consecutive years.



Find the year which shows the maximum aggregate production of wheat.

(a)

2005

(b)

2008

(c)

2006

(d)

2007

Answer: (a)

5.

An 800-metre-long train can pass a stationary pole completely in 72 seco A 1200-metre-long train can also pass a stationary pole completely in 72 seconds. If both the trains a ing i same direction, then the faster train, coming from behind the slower train can cross the slower train h time?

(a)

240 seconds

(b)

360 seconds

(c)

280 seconds

(d)

480 seconds

Answer: (b)

8.

Select the number that will come in place of the question mark (?) in the following mathematical statement.

$49 \times 57 - 41 \times 18 = (?)^2 \times 3 + 1380$

(a)

15

(b)

21

(c)

3

(d)

7

Answer: (a)

11.

Radha can complete a piece of work in 3 days, while Raji can complete the same work in 2 days. Both of them complete this work by working together and get ₹150 as total payment for the work done. What is the share of Radha out of the above payment?

(a)

₹70

(b)

₹40

(c)

₹30

(d)

₹60

Answer: (d)

12.

The average marks scored by 8 boys is 72. If the scores of three girls are also included, the average marks increases by 3. The average marks scored by the three girls is:

(a)

95

(b)

83

(c)

78

(d)

68

Answer: (b)

14.

A bag contains an equal number of 50-paise, 25-paise, 20-paise and 5-paise coins. If the total monetary value of all these coins taken together is ₹55, then how many coins of each type are there?

(a)

27

(b)

55

(c)

52

(d)

50

Answer: (b)

15.

The breadth of a rectangle is ⅘ of the radius of a circle. The radius of the circle is ⅕ of the side of a square, whose area is 625 cm^2. What is the area of the rectangle if the length of rectangle is 20 cm?

(a)

150 cm^2

(b)

60 cm^2

(c)

100 cm^2

(d)

80 cm^2

Answer: (d)

17.

What is the interest payable on ₹12,000 for 3 months at the rate of 10% per annum, if interest is compounded quarterly?

(a)

₹250

(b)

₹200

(c)

₹300

(d)

₹350

Answer: (c)

18.

$A = 2^K \times 3^5$ and $B = 2^5 \times 3^7$. If the least common multiple of A and B is $2^8 \times 3^7$, then what is the value of K?

(a)

6

(b)

8

(c)

9

(d)

3

Answer: (b)

19.

Find the value of the interest earned on a sum of ₹6,000 for 5 years at 8.4% simple interest rate per annum.

(a)

₹2,520

(b)

₹2,252

(c)

₹2,220

(d)

₹2,250

Answer: (a)

20.

The value of $\frac{2}{3} \times \frac{6}{5} \times \frac{10}{4} + \frac{1}{8} - \frac{3}{8}$ is:

(a)

$\frac{4}{3}$

(b)

$\frac{3}{4}$

(c)

$\frac{4}{7}$

(d)

$\frac{7}{4}$

Answer: (d)

21.

18 men can do a piece of work in 20 days. After working for 8 days, they g notice to complete the work 4 days earlier than originally scheduled. How many more men will be required to be d to complete the work as per the new schedule?

(a)

9

(b)

12

(c)

8

(d)

15

Answer: (a)

22.

P_1 is the average of all prime numbers below 12 and P_2 is the average of all prime numbers between 12 and 30. What is the value of $5P_1 - P_2$?

(a)
7.8
(b)
8.6
(c)
9.8
(d)
7.5

Answer: (a)

23.

Find the value of k if 5 : k :: 30 : 42.

(a)
8
(b)
7
(c)
6
(d)
9

Answer: (b)

25.

Two cities, Delhi and Jaipur, are 360 km apart. A car goes from Delhi to Jaipur at a speed of 80 km/h and returns to Delhi from Jaipur using the same route at a speed of 120 km/h. What is the average speed of the car?

(a)
92 km/h
(b)
84 km/h
(c)
88 km/h
(d)
96 km/h

Answer: (d)

General Awareness

1. Ustad Amjad Ali Khan Bangash is an Indian classical _____ player.
   (a) violin
   (b) sarod
   (c) guitar
   (d) sitar
   Answer: (b)

2. Which Article of the Constitution of India provides protection of life and personal liberty?
   (a) Article 27
   (b) Article 24
   (c) Article 21
   (d) Article 19
   Answer: (c)

3. Which of the following is a dark reddish coloured stone used as raw material in aluminium smelting?
   (a) Mica
   (b) Gypsum
   (c) Bauxite
   (d) Conglomerate
   Answer: (c)

4. Which of the following metals reacts violently with ld water?
   (a) Magnesium
   (b) Aluminium
   (c) Zinc
   (d) Potassium
   Answer: (d)

5. Which of the following is NOT a greenhouse gas?
   (a) Nitrogen
   (b) Methane
   (c) Carbon dioxide
   (d) Nitrous oxide
   Answer: (a)

6. Which of the following is NOT a characteristic of Kingdom Fungi?
   (a) No mechanisms for locomotion
   (b) Multicellular structure
   (c) With a cell wall
   (d) With chloroplasts
   Answer: (d)

7. Which of the following contains the largest amount of fresh water on earth?

(a) Ice caps
(b) Inland seas
(c) Atmosphere
(d) Groundwater

Answer: (a)

8. Who led the Battle of Plassey on behalf of the British East India Company?

(a) Charles Stuart
(b) Warren Hastings
(c) Robert Clive
(d) James Lancaster

Answer: (c)

10. What is the name of the autobiography of famous Indian cricketer, Yuvraj Singh?

(a) Straight from the Heart
(b) Wings of Fire
(c) The Race of My Life
(d) The Test of My Life

Answer: (d)

11. Census 2011 was the _____ National Census of Ind

(a) 11th
(b) 20th
(c) 17th
(d) 15th

Answer: (d)

12. Bihu is a folk dance of _____.

(a) Bihar
(b) Arunachal Pradesh
(c) Assam
(d) Karnataka

Answer: (c)

13. As per the Rigvedic or Early Vedic Period (1500-1000 BC), who among the following was a River Goddess?

(a) Agni
(b) Sindhu
(c) Arika
(d) Usha

Answer: (b)

14. Babur, the first Mughal emperor, succeeded to the throne of Ferghana in 1494 when he was only _____ years old.

(a) 18
(b) 12
(c) 15
(d) 10

Answer: (b)

15. The northern plain in India is formed of which soil?

(a) Laterite soil
(b) Arid soil
(c) Alluvial soil
(d) Black soil

Answer: (c)

16. Khel Nursery Scheme 2022-23 has been launched to promote sports in _____.

(a) Haryana
(b) Uttar Pradesh
(c) Andhra Pradesh
(d) Maharashtra

Answer: (a)

17. According to the Constitution of India, the executive power of the State shall be vested in the _____.

(a) President of India
(b) Governor of the state
(c) Chief Minister of the state
(d) Advocate-General of the state

Answer: (b)

18. In which state of India is Khajuraho dance festival celebrated?

(a) Nagaland
(b) Kerala
(c) Madhya Pradesh
(d) Tamil Nadu

Answer: (c)

19. The Mughal emperor Bahadur Shah Zafar died in _____.

(a) 1857
(b) 1858
(c) 1862
(d) 1859

Answer: (c)

20. Which of the following persons took over as the Chief of the Air Staff (CAS) in September 2021?

(a) Arup Raha
(b) Manoj Mukund Naravane
(c) Rakesh Kumar Singh Bhadauria
(d) Vivek Ram Chaudhari

Answer: (d)

21. Who among the following is the recipient of 2021 Abhinandan Saroja National Award by National Institute of Indian Classical Dance?

(a) Nalini Asthana
(b) Aparna Satheesan
(c) Rashid Khan
(d) S Ballesh Bhajantri

Answer: (b)

22. Deepika Kumari is associated with which sport?

(a) Golf
(b) Chess
(c) Tennis
(d) Archery

Answer: (d)

23. Who among the following Indian cricketers is als ıown as 'Master Blaster'?

(a) Sachin Tendulkar
(b) Rahul Dravid
(c) Mahendra Singh Dhoni
(d) Kapil Dev

Answer: (a)

24. What is the rate of income tax (new regime) payable for financial year 2021-2022, by an individual who is under 60 years of age, and has a net income of less than ₹5 lakhs but more than ₹ 2.5 lakhs?

(a) 10%
(b) 20%
(c) 2.5%
(d) 5%

Answer: (d)

25. Dholavira, which was the ancient Harappan site was divided into _____ parts.

(a) three
(b) five
(c) four
(d) two

Answer: (a)

Answer key

Answer key as marked in the Staff Selection Commission's response sheet. "—" means the sheet did not show it clearly.

General English

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

General Intelligence and Reasoning

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

Numerical Aptitude

1	**(a)**	5	**(b)**	8	**(a)**	11	**(d)**	12	**(b)**	14	**(b)**
15	**(d)**	17	**(c)**	18	**(b)**	19	**(a)**	20	**(d)**	21	**(a)**
22	**(a)**	23	**(b)**	25	**(d)**						

General Awareness

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