PREVIOUS YEAR PAPER

SSC MTS 2021 — 26 July 2022, Shift 3

SSC MTS & Havaldar · 26 July 2022 · 5:00 PM - 6:30 PM

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

Left out of the original paper: 4 (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 26 July 2022, 5:00 PM - 6:30 PM. Each question is followed by its answer, and the answer key is repeated on the last page.

Take it as a timed practice test: exambharo.com/ssc-mts/previous-year-papers/ssc-mts-2021-26-jul-shift-3/

General English

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

I _____ walked down the stairs, careful to be as quiet as possible.

(a) furiously
(b) neatly
(c) orderly
(d) cautiously

Answer: (d)

2. The following sentence has been divided into parts ne of them may contain an error. Select the part that contains the error from the given options. If u don't find any error, mark 'No error' as your answer.

I am looking forward / to meets you / at the c ion party.

(a) to meets you
(b) at the convocation party
(c) I am looking forward
(d) No error

Answer: (a)

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

Escalate

(a) Attack
(b) Pretend
(c) Plunge
(d) Employ

Answer: (c)

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

Most natural diamonds have some type of_____.

(a) flow
(b) flaw
(c) flour
(d) floor

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'.

The eggs are warm into a suitable temperature for the larvae to hatch from eggs.

(a) No improvement required
(b) are warmed for
(c) are warmed to
(d) is warmed at

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'.

Peterkin readjusted his hat and soon was listening to conversation with as much interest as I was.

(a) so many interest
(b) so much interest
(c) as many interest
(d) No substitution required

Answer: (d)

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

Delighted

(a) Disliked
(b) Unsuited
(c) Joyful
(d) Coarse

Answer: (c)

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

It was the last _____ of the puzzle.

(a) priest
(b) pique
(c) piece
(d) peace

Answer: (c)

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

My father _____ home last week.

(a) go
(b) gone
(c) has gone
(d) went

Answer: (d)

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

A collection of selected writings of various authors

(a) Trilogy
(b) Sequel
(c) Anthology
(d) Etymology

Answer: (c)

11. Select the correctly spelt word.

(a) Exeacutve
(b) Exacutive
(c) Exicutive
(d) Executive

Answer: (d)

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

By hook or by crook

(a) By a narrow margin
(b) By any means
(c) By default
(d) By mistake

Answer: (b)

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

It's not possible to _____ this house in this amount.

(a) astonish
(b) console
(c) bleat
(d) renovate

Answer: (d)

15. 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.

Soon or later, our efforts will be rewarded.

(a) be rewarded
(b) Soon or later
(c) our efforts will
(d) No error

Answer: (b)

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

Bolt from the blue

(a) To receive unexpected news
(b) To get good news
(c) To win a large sum of money
(d) To get lucky

Answer: (a)

17. The following sentence has been divided into parts. One of them may contain an error. Select the part that contains the error from the given options. If you don't find any error, mark 'No error' as your answer.

I have not saw / your sister since she / came to this city.

(a) I have not saw
(b) No error
(c) your sister since she
(d) came to this city

Answer: (a)

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

A short story with a moral

(a) Memoir
(b) Parable
(c) Biography
(d) Axiom

Answer: (b)

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

Imitate

(a) Surrender
(b) Copy
(c) Imagine
(d) Invent

Answer: (b)

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

Variety

(a) Similarity
(b) Fusion
(c) Diversity
(d) Medley

Answer: (a)

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.
>
> Every now and then there are going to be bad days, tough days, moods swings and all things nasty that may put a (1) _____ on our happy days. At any given moment, however, we are the ones who can make a (2)_____ between letting these things get in the way or pushing them right out by (3) _____ time in things or people (4) _____ make us happy. I've had this list of things that has made me happy for years now. I made it back in college to help me deal with some difficult times that I faced then. Even today, every now and then when things go (5) _____ I always go back to this, and one or more things listed here always lights me up!

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

(a) makeup
(b) smile
(c) marker
(d) damper

Answer: (d)

22. Select the most appropriate option to fill in blank number 2.
    (a) choice
    (b) difference
    (c) gap
    (d) bridge
    Answer: (a)

23. Select the most appropriate option to fill in blank number 3.
    (a) investing
    (b) spending
    (c) expanding
    (d) spreading
    Answer: (a)

24. Select the most appropriate option to fill in blank number 4.
    (a) which
    (b) whom
    (c) who
    (d) where
    Answer: (c)

25. Select the most appropriate option to fill in blank number 5.
    (a) wrong
    (b) slow
    (c) right
    (d) fast
    Answer: (a)

General Intelligence and Reasoning

1. Six people, Ambika, Charu, Riya, Ashi, Rahul and Ajay, are sitting in a straight row facing north (but not necessarily in the same order). Only two people sit between Rahul and Riya. Neither Ajay nor Riya is sitting at any of the corners. Ashi is sitting second to the left of Riya. Ajay and Charu are immediate neighbours. Who is sitting next to Ashi?
    (a) Riya
    (b) Ajay
    (c) Ambika
    (d) Rahul
    Answer: (c)

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

40 : 19 :: ?

(a) 28 : 13
(b) 20 : 11
(c) 34 : 17
(d) 46 : 23

Answer: (a)

3. Among seven brothers, Aman, Bunty, Chintu, Deepak, Ishan, Hari and Golu, Bunty is taller than only four other brothers. Chintu is taller than Deepak. Aman is taller than Hari. Ishan is taller than only Golu, who is the shortest among all the brothers. Bunty is taller than Aman. Given that no two brothers have the same height, who is the tallest among the seven brothers?

(a) Hari
(b) Aman
(c) Chintu
(d) Deepak

Answer: (c)

4. Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster.

CA : GH :: TK : ?

(a) XR
(b) YR
(c) YS
(d) XS

Answer: (a)

5. In a certain code language, if star is called moon, moon is called planet, planet is called sun, sun is called solar system, and solar system is called galaxy, then what is the Earth's only natural satellite?

(a) Galaxy
(b) Sun
(c) Planet
(d) Moon

Answer: (c)

6. 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.

SON : TPO :: BRO : CSP :: BIL : ?

(a) CHM

(b) CJN

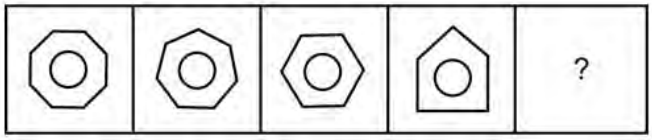
(c) CJM

(d) DJM

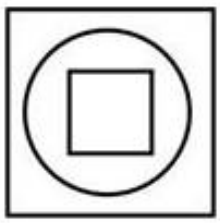
Answer: (c)

7.

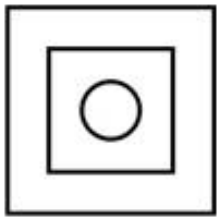
Select the figure from among the given options that can replace the question mark (?) in the following series.



(a)



(b)



(c)



(d)



Answer: (b)

8. In a certain code language, 'GEAR' is coded as '16', 'ANT' is coded as '9' and 'HEART' is coded as '25'. How will 'TEAR' be coded in that language?

(a) 16
(b) 49
(c) 9
(d) 36

Answer: (a)

9. Which two signs need to be interchanged to make the following equation correct?

72 − 12 + 8 × 6 ÷ 22 = 32

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

Answer: (d)

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

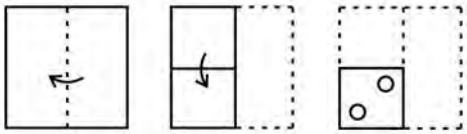
5 − 3 ÷ 8 × 12 + 4

(a) 2
(b) 3
(c) 14
(d) 42

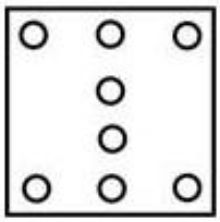
Answer: (b)

11.

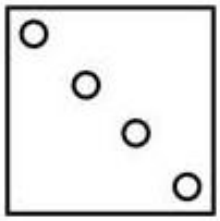
The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?



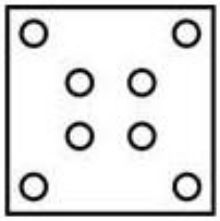
(a)



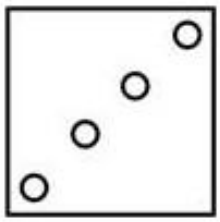
(b)



(c)



(d)



Answer: (c)

12. Six friends are sitting around a circular table facing the centre. Aman is sitting second right to Sneha. Tushar is immediate left to Sneha. Ritika is not the immediate neighbour of either Sneha or Tushar. Ritika is sitting second right to Prerna. Sharique is sitting in between Ritika and Tushar. Who is is the immediate neighbour of both Tushar and Prerna?

(a) Ritika

(b) Sharique

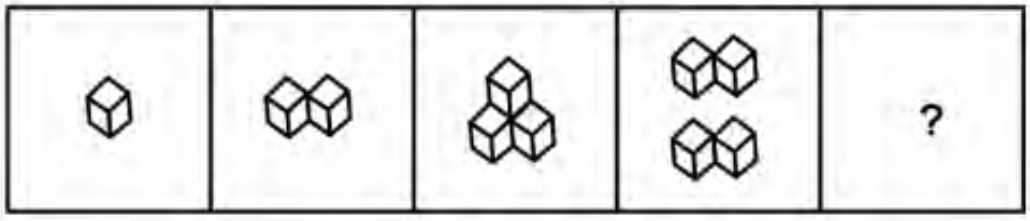
(c) Aman

(d) Sneha

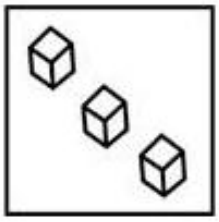
Answer: (d)

13.

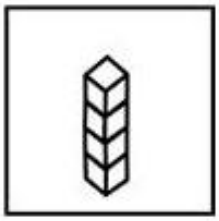
Select the figure that will come next in the following figure series.



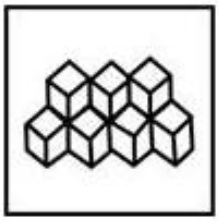
(a)



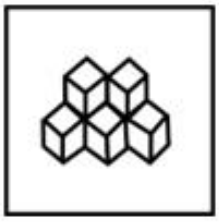
(b)



(c)



(d)



Answer: (d)

14. 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.

39 : 72 :: 217 : 428 :: 135 : ?

(a) 153
(b) 137
(c) 264
(d) 298

Answer: (c)

15. In a certain code language, 'HALT' is written as 'SZOG', and 'CROM' is written as 'XILN'. How will 'PIGY' be written in that language?

(a) KRBT
(b) KSBT
(c) KRTB
(d) KSTB

Answer: (c)

16. 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 B is L.
II. No C is B.

Conclusions: I. Some L are C. II. Some B are C.

(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: (c)

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

21, 23, 20, 22, 19, 21, ?

(a) 17
(b) 18
(c) 23
(d) 22

Answer: (b)

18. In a certain code language, 'RARE' is written as '2' and 'CAT' is written as '1'. How will 'RICKSAW' be written in that language?

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

Answer: (b)

19.

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



(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.

PC, NA, LY, JW, ?

(a) IV
(b) IU
(c) HV
(d) HU

Answer: (d)

21. 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.

VIOLET : WUJHPNMKFDUS :: RING : SQJHOMHF :: NEED : ?

(a) OMFDFDEC

(b) CEDFFDMO

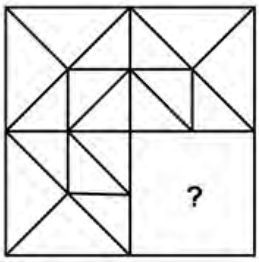
(c) NEEDDEEN

(d) ONFEFEED

Answer: (a)

22.

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



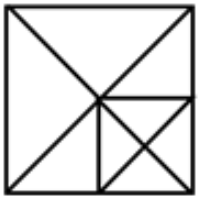
(a)



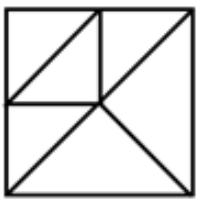
(b)



(c)



(d)



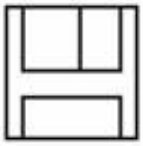
Answer: (d)

23.

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



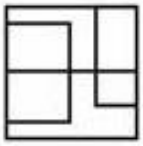
(a)



(b)



(c)



(d)



Answer: (b)

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.

3678 : 3747 :: 1052 : 1121 :: 96 : ?

(a) 1025

(b) 822

(c) 165

(d) 467

Answer: (c)

25. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements: Some fans are bulbs. Some bulbs are tube lights. Some tube lights are coolers.

Conclusions:
I. Some fans are coolers.
II. Some tube lights are fans.

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

Answer: (d)

Numerical Aptitude

1.

A car travels 120 km in 4 hours. Calculate its average speed in m/sec. [Give your answer correct to one decimal place.]

(a)
8.3 m/s
(b)
10.3 m/s
(c)
3.8 m/s
(d)
9.3 m/s

Answer: (a)

2.

If the mean of five numbers 1, 2, 3, 5, and x is 2.4, then find the value of x.

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

Answer: (c)

3.

The ratio of the salaries of Abhi and Monu is 6 : 11. If their salaries are increased by 10 per cent and 12 per cent, respectively, then what will be the new ratio of their salaries?

(a)

12 : 13

(b)

5 : 3

(c)

17 : 23

(d)

15 : 28

Answer: (d)

4.

If 256, K, K, 81 are in proportion, and K is positive, then what is the value of K?

(a)

156

(b)

126

(c)

144

(d)

164

Answer: (c)

5.

What is the value of $\frac{5}{11}$ of $\frac{3}{7} + \frac{7}{11} \times \frac{55}{21} - \frac{8}{22} \div \frac{16}{33}$?

(a)

$\frac{1088}{927}$

(b)

$\frac{1027}{924}$

(c)

$\frac{1811}{956}$

(d)

$\frac{1029}{945}$

Answer: (b)

6.

The radius of a sphere is 14 cm. What is the surface area of this sphere? [Use $\pi = \frac{22}{7}$]

(a)

$2464\ \text{cm}^2$

(b)

$1232\ \text{cm}^2$

(c)

$1848\ \text{cm}^2$

(d)

$616\ \text{cm}^2$

Answer: (a)

7.

What is the increase in the volume of a cube of 1 unit edge if each of its edges is tripled?

(a)

26 cu units

(b)

29 cu units

(c)

28 cu units

(d)

27 cu units

Answer: (a)

8.

A shopkeeper sold 24 shirts, each at a profit of 20% and 16 shirts, each at a profit of 10%. If he had sold all the 40 shirts, each at a profit of 15%, then his overall profit would have been reduced by ₹36. What is the cost price of each shirt?

(a)

₹100

(b)

₹220

(c)

₹90

(d)

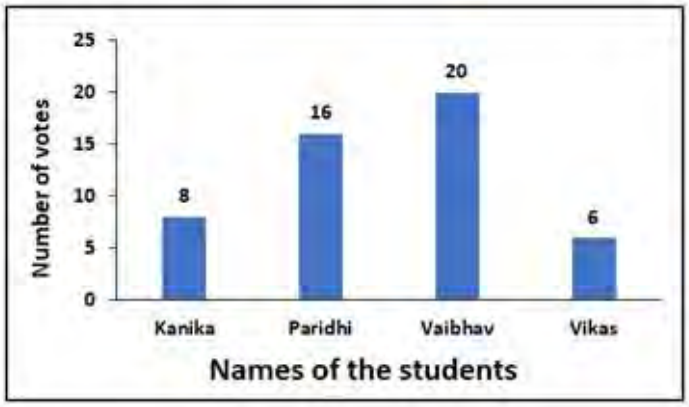
₹150

Answer: (c)

9.

Study the given bar-graph and answer the question that follows.

The bar-graph represents the voting for class monitor in class 9.



In percentage figures how many more votes did Vaibhav get than Paridhi?

(a)

20 per cent

(b)

25 per cent

(c)

10 per cent

(d)

4 per cent

Answer: (b)

10.

What is the value of x in the following equation?

$12.50 \div 0.005 + 25 \div 0.5 + 5 = x$

(a)
2555

(b)
2005

(c)
2000

(d)
2050

Answer: (a)

12.

If 2 : x :: 4 : 28, then find the value of x.

(a)
15

(b)
12

(c)
13

(d)
14

Answer: (d)

13.

A girl goes from M to N at a speed of 25 km/h and returns to M at a speed of 37.5 km/h, via the same route. What is the girl's average speed (in km/h)?

(a)
30

(b)
32

(c)
31.25

(d)
27.5

Answer: (a)

14.

X sold a toy to Y at a profit of 50% and Y sold it Z at a loss of 50%. If X purchased this toy for ₹12,000, then at what price did Z purchase this toy from Y?

(a)

₹7,580

(b)

₹8,500

(c)

₹8,000

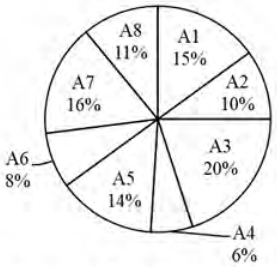
(d)

₹9,000

Answer: (d)

15.

The pie chart given below shows the number of pens sold by each of 8 different shops in a month as a percentage of the total number of pens sold by these 8 shops taken together in that month.



What will be the sum of the central angles made by the sector[illegible] A

(a)

75.6°

(b)

59.6°

(c)

84.4°

(d)

68.2°

Answer: (a)

16.

The average marks of a student in six subjects was initially 110. After re-evaluation, in one subject the marks obtained was reduced from 148 to 112, while in the rest of the subjects the marks remained unchanged. What is the new average marks?

(a)

102

(b)

108

(c)

106

(d)

104

Answer: (d)

17.

12 men can weave 20 shawls in 9 days. How many men will be required to weave 25 shawls in 27 days?

(a)

3

(b)

5

(c)

4

(d)

6

Answer: (b)

18.

15 men can do a work in 15 days working 8 hours a day. N men can do twice the work in 20 days working 10 hours a day. What is the value of N?

(a)

14

(b)

12

(c)

16

(d)

18

Answer: (d)

19.

If an item whose marked price is ₹1,000 is sold after two successive discounts of 10% and 15%, then find the price at which the item is sold.

(a)

₹775

(b)

₹745

(c)

₹755

(d)

₹765

Answer: (d)

20.

In an election between 2 candidates, the winning candidate got 55% of the valid votes. 5% of the total votes were invalid. If the total number of votes polled were 10000, then how many votes were obtained by the losing candidate?

(a)

4425

(b)

4625

(c)

4550

(d)

4275

Answer: (d)

21.

Find the smallest natural number 'x' that must be subtracted from 1800 so that (1800 – x), when divided by 7, 11 and 23, will leave 5 as the remainder in each case.

(a)

24

(b)

25

(c)

26

(d)

20

Answer: (a)

22.

A train can completely cross a 1000-metre long bridge in 15 seconds. It can completely cross another 1300-metre long bridge in 19 seconds. What is the length of the train?

(a)

125 metres

(b)

200 metres

(c)

150 metres

(d)

175 metres

Answer: (a)

23.

If the price of a washing machine is first increased by 25% and then decreased by 25%, then the net change in price will be a:

(a)

6.5% increase

(b)

6.5% decrease

(c)

6.25% decrease

(d)

6.25% increase

Answer: (c)

24.

The length of a rope, by which a calf is tied, is decreased from 9 m to 5 m. Find the decrease in the area that can be grazed by the calf. [Use $\pi = \frac{22}{7}$]

(a)

112 m^2

(b)

154 m^2

(c)

122 m^2

(d)

176 m^2

Answer: (d)

25.

A sum of money, when invested at the rate of 6.25% simple interest per annum, amounts to $\frac{11}{8}$ times of itself in 'n' years. What is the value of 'n'?

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

Answer: (a)

General Awareness

1. What is the duration of a football match (in regular time)?

(a) 90 minutes
(b) 80 minutes
(c) 70 minutes
(d) 60 minutes

Answer: (a)

2. What is the total number of periods and groups i e Modern Periodic Table?

(a) Period: 9Group: 7
(b) Period: 18Group: 7
(c) Period: 7Group: 9
(d) Period: 7Group: 18

Answer: (d)

3. In which year did India win its first International Cricket Council(ICC) ODI World Cup?

(a) 2011
(b) 1983
(c) 2007
(d) 1992

Answer: (b)

4. Bhagwant Mann became the Chief Minister of _____ in March 2022.

(a) Himachal Pradesh
(b) Haryana
(c) Delhi
(d) Punjab

Answer: (d)

5. Sayyid Ahmed Khan founded Mohammedan Anglo-Oriental College in _____ in 1875.

(a) Aligarh
(b) Calcutta
(c) Delhi
(d) Lahore

Answer: (a)

6. Vedantam Satyanarayana Sarma is known for which classical dance form?

(a) Mohiniyattam
(b) Kuchipudi
(c) Kathak
(d) Kathakali

Answer: (b)

7. The revenue system of Mughal period during Akbar's reign was called _____.

(a) Iqta
(b) Zabt
(c) Ghari
(d) Charai

Answer: (b)

8. The Government of India flagship scheme called U .A completed 7 years in January 2022. Under this scheme the Ministry of Power distributed ___.

(a) electric fans
(b) air conditioners
(c) LED bulbs
(d) fluorescent lamps

Answer: (c)

9. Which of the following is a neighbouring country of India?

(a) Australia
(b) Iran
(c) Russia
(d) Maldives

Answer: (d)

10. The deficiency of which of the following vitamins causes Pellagra?

(a) B1
(b) B5
(c) B3
(d) B2

Answer: (c)

11. The Deccan festival is a five-day long festival which reflects the culture of the Deccan. The festival is associated with which state?

(a) Kerala
(b) Karnataka
(c) Maharashtra
(d) Andhra Pradesh

Answer: (d)

13. The Constitution of India has given power to the Supreme court to issue certain writs. How many types of these writs are mentioned in the constitution?

(a) Four
(b) Five
(c) Two
(d) Six

Answer: (b)

14. Harmandar Sahib is situated in which city of Punjab?

(a) Bathinda
(b) Amritsar
(c) Kapurthala
(d) Patiala

Answer: (b)

15. Which of the following books was written by Ind author RK Narayan?

(a) The White Tiger
(b) Think Like a Monk
(c) The Shadow Lines
(d) Malgudi Days

Answer: (d)

16. Who among the following is referred to as 'Prince of Bhangra', due to his Bhangra music?

(a) Diljit Dosanjh
(b) Sukhbir Singh
(c) Arijit Singh
(d) Shaan

Answer: (b)

17. Through which of the following states does the Brahmaputra river enter India?

(a) Punjab
(b) Manipur
(c) Assam
(d) Arunachal Pradesh

Answer: (d)

18. Which of the following is also known as 'New Stone Age' in the civilisation history of India?

(a) Epipaleolithic
(b) Mesolithic
(c) Paleolithic
(d) Neolithic

Answer: (d)

19. Mushroom rocks are formed due to _____.

(a) glacial deposition
(b) deposition of sea waves
(c) running water erosion
(d) wind erosion

Answer: (d)

21. _____ is a type of mask dance that tells mythological stories via ferocious martial moves, popular in Odisha.

(a) Paika
(b) Danda-Jatra
(c) Chhau
(d) Jhumar

Answer: (c)

22. Which tax slab is applied in India if Individual tax er's annual taxable income is more than ₹15 lakh?

(a) 20%
(b) 30%
(c) 10%
(d) 40%

Answer: (b)

23. Tea cultivation is an example of which type of agriculture system?

(a) Mixed agriculture
(b) Plantation agriculture
(c) Mediterranean agriculture
(d) Shifting agriculture

Answer: (b)

24. Who among the following British Viceroys partitioned Bengal in 1905?

(a) Lord Lytton
(b) Lord Hardinge
(c) Lord Curzon
(d) Lord Irwin

Answer: (c)

25. As per Census 2011, which of the following states of India has the highest population?

(a) Uttar Pradesh

(b) Tamil Nadu

(c) Bihar

(d) Chhattisgarh

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

General Intelligence and Reasoning

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

Numerical Aptitude

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

General Awareness

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