PREVIOUS YEAR PAPER

SSC MTS 2021 — 14 July 2022, Shift 3

SSC MTS & Havaldar · 14 July 2022 · 5:00 PM - 6:30 PM

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

Left out of the original paper: 14 (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, 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-2021-14-jul-shift-3/

General English

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

An imaginary name assumed by an author

(a) Nomenclature
(b) Almanac
(c) Pseudonym
(d) Platonic

Answer: (c)

2. Select the most appropriate ANTONYM of the give ord.

Hideous

(a) Disgusting
(b) Shocking
(c) Attractive
(d) Ghastly

Answer: (c)

3. 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.

If he had not dropped out, / he will most certainly have completed / his education by 2023.

(a) his education by 2023
(b) No error
(c) If he had not dropped out
(d) he will most certainly have completed

Answer: (d)

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

In the heat of the moment

(a) Saying or doing something without thinking due to anger
(b) Keep something away from everyone
(c) To share information that was previously concealed
(d) In a confused or befuddled state of mind

Answer: (a)

5. Select the sentence in which all words are correctly spelt.

(a) With him he had one of his cheif councellors.
(b) Work is due to comence in the coming year.
(c) Melt the white and dark chocolate in separate bowls.
(d) We did it becuase we felt it our duty to encorage him.

Answer: (c)

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

We _____ learn to meet adversity gracefully.

(a) have
(b) ought
(c) had
(d) must

Answer: (d)

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

I accidentally <u>let the cat out of the bag</u> about your promotion.

(a) To state the wrong facts
(b) To reveal a secret
(c) To say something unrealistic
(d) To discourage someone

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'.

He went to bed early to <u>get up on time</u> to attend his morning lecture.

(a) get up over time
(b) No improvement required
(c) get up for time
(d) get up at time

Answer: (b)

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

He sounded like he were to going cry.

(a) No improvement required
(b) were going to
(c) going to
(d) was going to

Answer: (d)

11. Select the correctly spelt word.

(a) Rudimentry
(b) Concious
(c) Coalece
(d) Reliant

Answer: (d)

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

Grammar is just a natural function of children's brains, and they apply it to whatever they find.

(a) No improvement required
(b) they applied them to
(c) they apply them for
(d) they apply that in

Answer: (a)

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

Can you please _____ this sauce over the pasta?

(a) pore
(b) power
(c) pour
(d) purr

Answer: (c)

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

We deplore the use of _____ against innocent people.

(a) reduction
(b) violence
(c) gentleness
(d) humour

Answer: (b)

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

August

(a) Imminent
(b) Eminent
(c) Permanent
(d) Illicit

Answer: (b)

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.

The panel will / investigate the allegations / owing to the concerned officials.

(a) investigate the allegations
(b) owing to the concerned officials
(c) The panel will
(d) No error

Answer: (b)

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

A _____ body will fight off the illness naturally without any medicine.

(a) happy
(b) healthy
(c) flabby
(d) fresh

Answer: (b)

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

Mandate

(a) Question
(b) Request
(c) Enquire
(d) Command

Answer: (d)

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

I do not feel it is a <u>laudable</u> plan.

(a) noticeable
(b) precious
(c) commendable
(d) disrespected

Answer: (d)

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

India continues to _____ the highest amount of e-waste, more than China, the US, Japan and Germany.

(a) generate
(b) remake
(c) stake
(d) select

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.
>
> Words convey meaning, because they are used in human activities in different forms. Different words may (1) _____ the same thing in different languages and this is what is referred to as 'family resemblance.' In other words, languages help us (2) _____ reality and then communicate it to others. There are tens and thousands of languages in the world and all of them help us (3) _____ express ourselves, which in turn, gives meaning to our life. One's mother tongue is (4) _____ for one's literary growth, but if you want to communicate to a wider audience, then you will (5) _____ to reach out to the target audience in a language they understand.

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

(a) meaningful
(b) meaning
(c) mean
(d) meant

Answer: (c)

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

(a) commend
(b) depend
(c) comprehend
(d) amend

Answer: (c)

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

(a) retrospectively
(b) secretly
(c) effectively
(d) lately

Answer: (c)

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

(a) essential
(b) unimportant
(c) auspicious
(d) silent

Answer: (a)

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

(a) have
(b) should
(c) has
(d) had

Answer: (a)

General Intelligence and Reasoning

1. 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.

GRV : IUE :: XCB : ?

(a) ZFY
(b) YFX
(c) ZEY
(d) YEX

Answer: (a)

2. 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.

339 : 1022 :: 58 : 179 :: 25 : ?

(a) 80
(b) 70
(c) 75
(d) 125

Answer: (a)

3.

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



(a)



(b)



(c)



(d)



Answer: (c)

4. Select the option in which the two numbers are related in the same way as are the numbers in the given number pairs.

23 : 529 26 : 676

(a) 24 : 576

(b) 16 : 196

(c) 18 : 400

(d) 22 : 444

Answer: (a)

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

GRM : MGR :: PAR : ?

(a) RPA
(b) PRA
(c) ARP
(d) RAP

Answer: (a)

6.

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



(a)



(b)



(c)



(d)



Answer: (c)

7. In a certain code language, 'HOPE' is written as 'KRSH', and 'RAGF' is written as 'UDJI'. How will 'MNCK' be written in that language?

(a) PQEM
(b) PQFN
(c) PQEN
(d) PQFM

Answer: (b)

8. Which two numbers (NOT digits) and two signs need to be interchanged to make the given equation correct?

35 ÷ 4 × 48 + 70 – 10 = 40

(a) 35 and 48, – and ÷
(b) 70 and 10, + and –
(c) 4 and 48, × and +
(d) 70 and 48, ÷ and ×

Answer: (d)

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

9 + 6 ÷ 4 – 5 + 3 = 10

(a) 6 and 10
(b) 10 and 5
(c) 9 and 3
(d) 4 and 3

Answer: (d)

10. 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.

29 : 31 :: 19 : 23 :: 31 : ?

(a) 37
(b) 43
(c) 47
(d) 41

Answer: (a)

11.

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



(a)



(b)



(c)



(d)



Answer: (c)

12. In a certain code language, 'PAINTS' is written as 'HGMRZK' and 'ROCKY' is written as 'BPXLI'. How will 'HUNTER' be written in that language?

(a) IUGMSF
(b) IVGMFS
(c) IVGMES
(d) IUGMFS

Answer: (b)

13. Seven students Pawan, Aman, Raman, Sanam, Tanmay, Umang and Vikram took a series of tests. No two students got similar marks. Vikram scored just more than Pawan and Pawan scored just more than Aman. Raman and Tanmay scored the highest and the least marks but not necessarily in the same order. Umang's score was less than only Raman's score. Sanam's score was higher than only one person. Whose score was in between the scores of Pawan and Sanam?

(a) Vikram
(b) Umang
(c) Raman
(d) Aman

Answer: (d)

14. Six boys G1, G2, G3, G4, G5 and G6 are sitting in a row facing towards the north (not necessarily in the same order). G4 is second to the right of G5. G2 is second to the left of G5. G3 is to the immediate left of G2. G6 is second to the right of G3. How many boys are sitting to the left of G6?

(a) 2
(b) 3
(c) 0
(d) 1

Answer: (a)

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

STV20 : WXZ24 :: ABD2 : EFH6 :: IJL10 : ?

(a) MNP14
(b) MNO14
(c) NOP15
(d) NOQ15

Answer: (a)

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. Some red are mouse.
II. No grey is mouse.

Conclusions:
I. All red are grey.
II. No mouse is grey.

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

Answer: (d)

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

48, 54, 45, 51, 42, 48, ?

(a) 37
(b) 33
(c) 39
(d) 35

Answer: (c)

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:
I. Some cars are white.
II. Some locks are white.

Conclusions: I. All white are locks. II. No car is a lock.
III. All locks are cars.

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

Answer: (d)

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

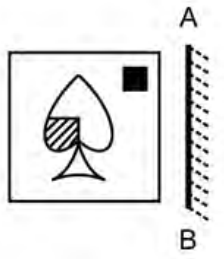
TRO, RQM, PPK, NOI, ?

(a) LNH
(b) LMG
(c) LMH
(d) LNG

Answer: (d)

20.

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



(a)



(b)



(c)



(d)



Answer: (a)

21.

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: (a)

22. Six people Akshay, Anurag, Amit, Anubhav, Aryan and Ashish are sitting in a straight row facing North. Neither Akshay nor Amit are sitting at the corners. Amit and Anubhav are immediate neighbour of each other. Aryan is sitting second from the right corner. Only Akshay is sitting in between Anubhav and Ashish. Amit is sitting second to the left of Anurag. Who is sitting in between Anurag and Amit?

(a) Ashish

(b) Anubhav

(c) Akshay

(d) Aryan

Answer: (d)

23. In a certain code language, 'BAG' is coded as '71', and 'VICE' is coded as '69'. How will 'LIKE' be coded in that code language?

(a) 71

(b) 76

(c) 68

(d) 65

Answer: (a)

24. In a certain code language, if 'owl' is known as 'peacock', 'peacock' is known as 'cuckoo', 'cuckoo' is known as 'pigeon', and 'pigeon' is known as 'sparrow', then what would be the name of the bird that sings well?

(a) Pigeon

(b) peacock

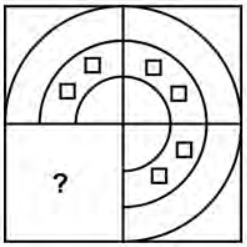
(c) sparrow

(d) Cuckoo

Answer: (a)

25.

Select the option that can replace the question mark (?) in the given figure and complete the pattern (rotation is not allowed).



(a)



(b)



(c)



(d)



Answer: (b)

Numerical Aptitude

2.

The length of the longest diagonal that can be placed in a closed cube is $50\sqrt{3}$ cm. What is the total surface area of this cube?

(a)

$15000\ cm^2$

(b)

$10000\ cm^2$

(c)

$12000\ cm^2$

(d)

$6000\ cm^2$

Answer: (a)

3.

Kanti and Jiya together can finish a work in 3 days. If Jiya alone can finish the work in 6 days, then in how many days can Kanti alone finish the work?

(a)

4 days

(b)

6 days

(c)

10 days

(d)

8 days

Answer: (b)

4.

A train P travelling at a speed of 15 m/s is able to cross a platform of 200 meter length completely in 30 seconds. Approximately how long will it take train P to cross a man who is coming towards the train on his bike at a speed of 27 km/h? [Note: Ignore the length of the bike.]

(a)

15 sec

(b)

11.1 sec

(c)

16.7 sec

(d)

18.3 sec

Answer: (b)

7.

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

$(?)^2 + ? + 12^3 = 13^2 + 22^2 + 2715$

(a)

38

(b)

40

(c)

34

(d)

50

Answer: (b)

8.

The average weight of nine persons is 25 kg. If a new person joins this group, then the average weight becomes 26 kg. What is the weight of the new person?

(a)

35 kg

(b)

28 kg

(c)

34 kg

(d)

30 kg

Answer: (a)

11.

Ramesh incurred a loss of 10% after selling a phone. If he had sold the phone for ₹1,260 more, then he would have made a profit of 5%. What is the cost price of the phone?

(a)

₹8,600

(b)

₹8,000

(c)

₹9,000

(d)

₹8,400

Answer: (d)

12.

The sum of the lengths of the radius and the diameter of a circle is 84 cm. What is the difference between the lengths of the circumference and the radius of this circle? [Use $\pi = \frac{22}{7}$]

(a)

156 cm

(b)

172 cm

(c)

148 cm

(d)

128 cm

Answer: (c)

13.

The following table shows a survey conducted in the schools of a city. This survey shows the type of activities teenagers (age 13 to 19 years) are involved in during their leisure time.

Activities	Distribution of leisure time
Cell phone	25%
Friends	30%
Net surfing	20%
Watching TV	20%
Playing sports	5%

If a teenager has 6 hours of leisure time in a day, then how much time does ..e spend daily on net surfing?

(a)

2 hours 30 minutes

(b)

2 hours 12 minutes

(c)

1 hour 15 minutes

(d)

1 hour 12 minutes

Answer: (d)

14.

470 liters of a mixture of milk and water contains 5% of water. A mischievous boy added some water in the mixture and now there is 6% water in the new mixture. Find the quantity of water added by the boy in the mixture.

(a)

6 litres

(b)

8 litres

(c)

5 liters

(d)

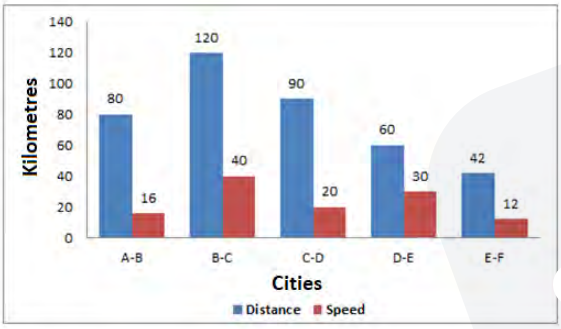
10 litres

Answer: (c)

17.

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

The bar-graph shows the distance (in km) between two cities and speeds (in km/h) of a person to cover the respective distances.



What is the approximate average speed of the person while travelling from city A to city F?

(a)

28.55 km/h

(b)

23.91 km/h

(c)

21.78 km/h

(d)

19.47 km/h

Answer: (c)

18.

Anusha purchased a television and a camera for ₹12,000 and ₹8,000, respectively. She sold the television at a loss of 10 per cent, and the camera at a profit of 12 per cent. What was her overall loss/profit?

(a)

₹240 profit

(b)

₹450 loss

(c)

₹240 loss

(d)

₹450 profit

Answer: (c)

20.

There are two numbers such that the first number is 5 times of the second number. If the difference between the first and the second numbers is 120, then what is the average of these two numbers?

(a)

90

(b)

80

(c)

95

(d)

85

Answer: (a)

24.

A household of three humans has cats and dogs in the ratio 1:2. If the total number of legs in the household is 42, what is the total number of cats in the household?

(a)

12

(b)

6

(c)

9

(d)

3

Answer: (d)

General Awareness

1. Sangrai is a folk dance of which state of India?

(a) Bihar
(b) Tripura
(c) Karnataka
(d) Goa

Answer: (b)

2. India's southern neighbours across the sea consist of _____ island countries.

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

Answer: (d)

3. Tipu Sultan became the ruler of Mysore in _____.

(a) 1765
(b) 1782
(c) 1775
(d) 1762

Answer: (b)

4. 'Courage and Conviction : An Autobiography' is the tobiography of which of the following persons?

(a) Yogesh Kumar Joshi
(b) Dalbir Singh Suhag
(c) Manoj Mukund Naravane
(d) VK Singh

Answer: (d)

5. Which of the following festivals is associated with the Kamakhya temple of Guwahati?

(a) Ambubachi Festival
(b) Mando Festival
(c) Majuli Festival
(d) Sunburn festival

Answer: (a)

6. Which of the following states has bi-cameral Legislature as of March 2022?

(a) Odisha
(b) Gujarat
(c) Karnataka
(d) Kerala

Answer: (c)

7. Which of the following states launched the 'Mukhyamantri Ration Aapke Dwar Yojana' in October 2021?

(a) Punjab
(b) Uttarakhand
(c) Jharkhand
(d) Madhya Pradesh

Answer: (d)

8. What is a measure of the moisture present in air called?

(a) Opacity
(b) Abrasion
(c) Precipitation
(d) Humidity

Answer: (d)

9. Which Article of the Constitution of India under the Directive Principles of State Policy talks about organisation of village panchayats?

(a) Article 40
(b) Article 48
(c) Article 43
(d) Article 39A

Answer: (a)

10. The first census of Independent India was cond ed in _____.

(a) 1956
(b) 1953
(c) 1951
(d) 1948

Answer: (c)

11. Articles _____ in Part VI of the Constitution deal with the components of state legislature.

(a) 168 to 212
(b) 198 to 220
(c) 112 to 175
(d) 134 to 198

Answer: (a)

12. In which language did Banabhatta compose Harshacharita?

(a) Sanskrit
(b) Pali
(c) Tamil
(d) Prakrit

Answer: (a)

13. Which of the following statements is correct?
I. Converting plant and animal waste including that from kitchen into manure is called composting.
II. The method of making compost from kitchen garbage using redworms is called vermicomposting.

(a) Only I is correct.
(b) Neither I nor II is correct.
(c) Both I and II are correct.
(d) Only II is correct.

Answer: (c)

14. TH Vinayakram is associated with which musical instrument?

(a) Dholak
(b) Sarod
(c) Tabla
(d) Ghatam

Answer: (d)

15. Which of the following is NOT a tributary of the Indus river?

(a) Son
(b) Kabul
(c) Gilgit
(d) Shyok

Answer: (a)

16. _____ won the ICC Women's Cricket Wor[illegible]up 2022.

(a) New Zealand
(b) Australia
(c) India
(d) England

Answer: (b)

17. Who said, 'One caste, one religion, one God for humankind'?

(a) Jyotirao Phule
(b) Mahatma Gandhi
(c) Shree Narayana Guru
(d) Dr. Rajendra Prasad

Answer: (c)

18. The North-South corridor of the Golden Quadrilateral Super Highways links Srinagar and _____.

(a) Kanchipuram
(b) Kozhikode
(c) Kannur
(d) Kanyakumari

Answer: (d)

20. Which cell organelle performs the principal function of packaging materials?
    (a) Endoplasmic reticulum
    (b) Golgi apparatus
    (c) Lysosome
    (d) Vacuoles
    Answer: (b)

21. Pushkar lake is situated in which district of Rajasthan?
    (a) Jaipur
    (b) Ajmer
    (c) Bikaner
    (d) Alwar
    Answer: (b)

22. Who among the following won the first ever individual Olympic medal for India?
    (a) Rajyavardhan Rathore
    (b) PT Usha
    (c) Khashaba Jadhav
    (d) Abhinav Bindra
    Answer: (c)

23. In February 2022, beverage maker Coca-Cola sig _____ as the brand ambassador for Thums Up.
    (a) Mahendra Singh Dhoni
    (b) Ranveer Singh
    (c) Akshay Kumar
    (d) Shah Rukh Khan
    Answer: (d)

24. 'Padma Vibhushan' winner Pandit Birju Maharaj was a famous _____ dancer.
    (a) Odissi
    (b) Kathak
    (c) Bharatanatyam
    (d) Manipuri
    Answer: (b)

25. What chemical element does 'H' stand for in the science periodic table?
    (a) Helium
    (b) Hydrogen
    (c) Holmium
    (d) Mercury
    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	**(c)**	2	**(c)**	3	**(d)**	4	**(a)**	5	**(c)**	6	**(d)**
7	**(b)**	8	**(b)**	9	**(d)**	11	**(d)**	12	**(a)**	13	**(c)**
14	**(b)**	15	**(b)**	16	**(b)**	17	**(b)**	18	**(d)**	19	**(d)**
20	**(a)**	21	**(c)**	22	**(c)**	23	**(c)**	24	**(a)**	25	**(a)**

General Intelligence and Reasoning

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

Numerical Aptitude

2	**(a)**	3	**(b)**	4	**(b)**	7	**(b)**	8	**(a)**	11	**(d)**
12	**(c)**	13	**(d)**	14	**(c)**	17	**(c)**	18	**(c)**	20	**(a)**
24	**(d)**										

General Awareness

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