PREVIOUS YEAR PAPER

SSC MTS 2024 — 11 November 2024, Shift 1

SSC MTS & Havaldar · 11 November 2024 · 9:00 AM - 11:00 AM

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

Left out of the original paper: 17 (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 11 November 2024, 9:00 AM - 11:00 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-2024-11-nov-shift-1/

Numerical and Mathematical Ability

1. A sum of ₹717 becomes ₹874.74 in 5 years at a certain rate of simple interest. If the rate of interest is increased by 3.1%, then what will be the simple interest (in ₹) of ₹717 in 5 years?

(a) 211.115
(b) 268.875
(c) 279.125
(d) 201.135

Answer: (b)

2. The rate of oil is increased by 12% every year. The rate in the next year would be ₹125.44 per litre. What is the difference between the prices (in ₹) of 1 litre of the oil in the last year and this year?

(a) 14.5
(b) 17.5
(c) 15.5
(d) 12

Answer: (d)

3. The average of 10 numbers is 29. The average of the first 6 numbers is 22 and that of the last 6 numbers is 32. What is the average of the 5 th number and the 6 th number?

(a) 20
(b) 27
(c) 17
(d) 24

Answer: (c)

5. A, B and C start running around a circular track and complete one round in 16, 20 and 28 seconds, respectively. In how much time will they meet again at the starting point?

(a) 220 seconds
(b) 310 seconds
(c) 510 seconds
(d) 560 seconds

Answer: (d)

8. The difference between successive discounts of 25% followed by 12% and 20% followed by 15% on the marked price of a saree is ₹50. The marked price of the saree is:

(a) ₹625
(b) ₹1,250
(c) ₹5,000
(d) ₹2,500

Answer: (d)

10. The average of 5 consecutive natural numbers is 7. Which is the largest number among these?

(a) 8
(b) 7
(c) 10
(d) 9

Answer: (d)

13. The average of 11 numbers is 17. If the average of the first five numbers is 16 and the average of the last five numbers is 19, then the sixth number is:

(a) 15
(b) 12
(c) 17
(d) 14

Answer: (b)

14. Find the HCF of 10, 35 and 55.

(a) 25
(b) 15
(c) 10
(d) 5

Answer: (d)

17. A thief saw a policeman from a distance of 300 m and started running. At the same time, the policeman started chasing the thief. If the speed of the thief is 12 km/h and that of the policeman 15 km/h, then the distance (in km) covered by the policeman to catch the thief is:

(a) 1.0
(b) 2.0
(c) 1.5
(d) 2.5

Answer: (c)

Reasoning Ability and Problem Solving

1. When the signs + and ÷ as well as the numbers 5 and 10 are interchanged, which option will be the correct one?

(a) 3 + 5 ÷ 10 = 2

(b) 5 + 10 ÷ 2 = 4

(c) 5 ÷ 1 + 10 = 1

(d) 6 ÷ 10 + 5 = 6

Answer: (b)

2. In a certain code language, 'SLAM' is coded as '4918' and 'LAME' is coded as '2184'. What is the code for 'S' in the given language?

(a) 1

(b) 9

(c) 8

(d) 4

Answer: (b)

4.

Read the given statement(s) 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 statement(s).

Statements: All cars are bus. All buses are truck.

Conclusions:

(I) Some trucks are cars.

(II) All cars are trucks.

(a) Neither conclusion (I) nor (II) follow

(b) Both conclusion (I) and (II) follow.

(c) Only Conclusion (II) follows.

(d) Only Conclusion (I) follows.

Q.5 In a certain code language, 'FROM' is coded as '7519' and 'MADE' is coded as '2146'.What is the code for 'M' in the given code language? 1. 7

2. 2

3. 1

4. 9

Answer: (b)

5. In a certain code language, 'FROM' is coded as '7519' and 'MADE' is coded as '2146'.What is the code for 'M' in the given code language?

(a) 7

(b) 2

(c) 1

(d) 9

Answer: (c)

6. What should come in place of the question mark (?) in the given series based on the English alphabetical order? HCJ, JGL, LKN, ? , PSR

(a) MST
(b) OOP
(c) NOP
(d) NQP

Answer: (c)

7. Seven friends - L, M, N, O, D, E, and F - are seated around a circular table, facing the centre (but not necessarily in the same order). O is sitting fifth to the right of L. M has F and O as immediate neighbours. N and L are immediate neighbours of E. Who is sitting to the immediate left of D?

(a) O
(b) M
(c) L
(d) F

Answer: (a)

8. JHMK is related to PNSQ in a certain way based on the English alphabetical order. In the same way, NLQO is related to TRWU . To which of the following is QOTR related, following the same logic?

(a) UWZX
(b) UWXZ
(c) WUZX
(d) WUXZ

Answer: (c)

10. Read the given statement(s) and conclusi efully. 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 statement(s).

Statements: All shirts are pants. Some shirts are watches.

Conclusions:
(I) Some pants are watches.
(II) Some watches are not shirts.

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

Answer: (d)

12. A, B, C, D, E, F and G are sitting around a circular table facing the centre (but not necessarily in the same order). E sits second to the right of A. B sits fourth to the right of D. F is an immediate neighbour of E and G. Who sits third to the right of C?

(a) E

(b) F

(c) D

(d) G

Answer: (a)

13. 4 is related to 34 following a certain logic. Following the same logic, 7 is related to 61. To which of the following is 11 related, following the same logic?

(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 / subtracting / 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.)

(a) 98

(b) 99

(c) 97

(d) 88

Answer: (c)

15. Select the set in which the numbers are related in same way as are the numbers of the following sets. (NOTE: Operations should be perform on the whole numbers, without breaking down the numbers into its constituent digits. E.g., 1 Operations on 13 such as adding / subtracting /multiplying etc. to 13 can be p rme Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 t allowed.) (15, 14, 13) (12, 10, 8)

(a) (11, 22, 12)

(b) (10, 12, 8)

(c) (15, 15, 15)

(d) (13, 11, 7)

Answer: (c)

16. What should come in place of the question mark (?) in the given series?

28, 31, 36, 43, 54, ?

(a) 65

(b) 64

(c) 67

(d) 66

Answer: (c)

17. In a code language, 'PORTER' is written as 'RVYALP' and 'REMOTE' is written as 'ELTVAR'. How will 'CLOUDY' be written in the same language?

(a) YTVBKC
(b) YSVBKC
(c) XSVBKC
(d) XTVBKC

Answer: (b)

18. Which two numbers should be interchanged to make the following equation correct?

(54 ÷ 18)× 5 + 9 × 2 −45 + 12 × 3 = 57 (Note: Interchange should be done of the entire number and not individual digits of a given number.)

(a) 18 and 9
(b) 2 and 5
(c) 5 and 3
(d) 9 and 12

Answer: (a)

20. DA2 is related to GD10 in a certain way. In the same way, SP7 is related to VS35. To which of the following is JG10 related following the same logic?

(a) GF70
(b) MJ70
(c) GF50
(d) MJ50

Answer: (d)

General Awareness

1. In 2017, who became the first Indian singer to make it to Delhi's Madame Tussauds Museum?

(a) Sunidhi Chauhan
(b) Kavita Krishnamurthy
(c) Shreya Ghoshal
(d) Alisha Chinai

Answer: (c)

2. Vitamin D is synthesised using sunshine, by the:

(a) skin
(b) mouth
(c) blood veins
(d) leg

Answer: (a)

3. In which weight category did Nitu Ghanghas win the IBA Women's World Boxing Championship event, 2023?

(a) 75 kg
(b) 50 kg
(c) 48 kg
(d) 81 kg

Answer: (c)

4. As on 31 st October 2023, the youngest member of parliament (in terms of age) in the 17 th Lok Sabha, Chandrani Murmu, represents which political party?

(a) Bharatiya Janata Party
(b) Indian National Congress
(c) Aam Admi Party
(d) Biju Janata Dal

Answer: (d)

5. The institution like Lokpal or Lokayukta (Ombudsman) was first created in which of the following countries?

(a) New Zealand
(b) Norway
(c) Britain
(d) Sweden

Answer: (d)

7. What is the title of Sania Mirza's autobio[illegible]hy?

(a) Changing India
(b) Ace Against Odds
(c) Wings of Fire
(d) The Test of My Life

Answer: (b)

8. Which of the following was the capital of Vatsa Mahajanapada?

(a) Kausambi
(b) Ahichchatra
(c) Ujjayini
(d) Vaishali

Answer: (a)

9. Where was the Hindustan Socialist Republican Association established in the year 1928?

(a) Agra
(b) Kanpur
(c) Delhi
(d) Lahore

Answer: (c)

10. In june 2023, which state government among the following has announced the 'Shakti' scheme for free bus travel for women and trans people within the state?

(a) Tamil Nadu
(b) Telangana
(c) Kerala
(d) Karnataka

Answer: (d)

11. According to Article ____, no religious instruction shall be provided in any educational institution wholly maintained out of State funds.

(a) 30
(b) 28
(c) 29
(d) 27

Answer: (b)

12. Which structure within the nucleus contains genetic information in the form of DNA?

(a) Ribosome
(b) Chromosome
(c) Nucleolus
(d) Vacuole

Answer: (b)

13. Which of the following is the first planned indus' city in India?

(a) Indore
(b) Chandigarh
(c) Navi Mumbai
(d) Jamshedpur

Answer: (d)

14. Which of the following is NOT a commercial bank?

(a) State Bank of India
(b) The Industrial Credit and Investment Corporation of India Bank
(c) Development Bank of Singapore
(d) National Bank for Agriculture and Rural Development

Answer: (d)

15. Who among the following received the Nritya Kalanidhi for the year 2022?

(a) Kalyanasundaram Pillai
(b) Geeta Chandran
(c) Chitra Visweswaran
(d) Bragha Bessell

Answer: (d)

16. Bhamidipati Srivalli Rashmika is associated with which game?

(a) Lawn Tennis
(b) Kho-Kho
(c) Badminton
(d) Football

Answer: (a)

17. In which of the following years was a Hindu College in Benaras established to impart education from the ancient Sanskrit texts?

(a) 1794
(b) 1791
(c) 1801
(d) 1790

Answer: (b)

18. Which festival is celebrated at Sabarimala temple, on the occassion of Makar Sakranti?

(a) Ugadi
(b) Makaravilakku
(c) Onam
(d) Vishu

Answer: (b)

19. Former Indian actress Vyjayanthimala was trainer which classical dance form?

(a) Manipuri
(b) Odissi
(c) Sattriya
(d) Bharatanatyam

Answer: (d)

20. Who among the following was the first sultan of Delhi Sultanate to visit the Ajmer shrine of Khwaja Muinuddin Chishti?

(a) Ghiyasuddin Balban
(b) Jalaluddin Khalji
(c) Muhammad bin Tughlaq
(d) Khizr Khan

Answer: (c)

21. In which year was Pt. Deen Dayal Upadhyaya Grameen Kaushalya Yojana (Scheme) announced by the Government of India?

(a) 2013
(b) 2014
(c) 2010
(d) 2012

Answer: (b)

22. In Kerala and coastal area of Karnataka the pre-monsoon shower is known as _____.
    (a) Kalbaisakhi
    (b) Bardoisila
    (c) Mango shower
    (d) Blossom shower
    Answer: (c)

23. According to the Human Development Index 2023-24, what is the rank of India?
    (a) 132
    (b) 130
    (c) 134
    (d) 129
    Answer: (c)

24. Plutonic rocks are formed when lava cools _____.
    (a) in the core
    (b) in the asthenosphere
    (c) in the crust
    (d) at the surface
    Answer: (c)

25. Drains exiting from Mohenjo-Daro had _____ doors that were probably closed at night to prevent vagrants or negative elements from entering the city through that access.
    (a) wooden
    (b) sandstone
    (c) mud
    (d) iron
    Answer: (a)

English Language and Comprehension

1. Select the most appropriate option that can substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution'.

<u>This was not only exciting but rewarding</u> because I was able to experience adventure for the first time in my life.
    (a) This was not only exciting but also rewarding
    (b) This was not only excited but also rewarding
    (c) No substitution
    (d) This was not only exciting but also rewarded
    Answer: (a)

2. Select the most appropriate option to fill in the blank and complete the given phrase.

She was on cloud _____ after receiving the scholarship.

(a) ten
(b) seven
(c) nine
(d) eight

Answer: (c)

3. Select the option that has used the correct tense.

(a) He realised he had forgotten his keys after he had leave the house.
(b) He realised he had forgotten his keys after he had left the house.
(c) He realised he had forgotten his keys after he has leave the house.
(d) He realised he had forgotten his keys after he was left the house.

Answer: (b)

4. Select the most appropriate option that can substitute the underlined segment in the given sentence.

The Lal Chowk is a large open square surrounded by mansions of the wealthiest classes than educated ones.

(a) wealthy
(b) wealthier
(c) more wealthier
(d) the wealthy

Answer: (b)

5. Select the correctly spelt word to fill in the blank. Macbeth believed the witches' _____ about his future.

(a) tyrany
(b) questionaire
(c) prophecy
(d) suprise

Answer: (c)

6. 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. She often goes for a walk / with her dog / in the night.

(a) in the night
(b) No error
(c) She often goes for a walk
(d) with her dog

Answer: (a)

7. Select the appropriate option that can substitute the underlined word in the following sentence to make it grammatically correct.

She is the most active and the more energetic social worker in our team.

(a) the most
(b) the much
(c) very
(d) most

Answer: (a)

8. Select the most appropriate option that can substitute the underlined words in the given sentence.

We rely on Hiren because he is most intelligent than many other boys in our school quiz team.

(a) less intelligent
(b) least intelligent
(c) only intelligent
(d) more intelligent

Answer: (d)

10. Select the most appropriate synonym of the underlined word. Army officers are given training to decipher the secret messages sent during war time.

(a) Decode
(b) Encode
(c) Defy
(d) Decide

Answer: (a)

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

(a) Scarce
(b) Cute
(c) Dirty
(d) Exorbitant

Answer: (d)

12. Select the word segment that can substitute the bracketed words correctly and complete the sentence meaningfully. (My husband and I) are from Varanasi.

(a) Either of us
(b) Both of us
(c) Everyone of us
(d) Each one of us

Answer: (b)

13. Select the INCORRECTLY spelt word.

(a) subterfuge
(b) sufficient
(c) succlucent
(d) sanguinity

Answer: (c)

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

The teacher _____ the students to think critically about the topic.

(a) acquiesced
(b) admonished
(c) advised
(d) assented

Answer: (c)

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

Insist

(a) Barge
(b) Urge
(c) Rebut
(d) Wage

Answer: (b)

16. The following sentence has been split into segments. Identify the segment that contains a grammatical/spelling error.

She has taken / nothing from yesterday / and is feeling / nauseatic now.

(a) nauseatic now
(b) She has taken
(c) nothing from yesterday
(d) and is feeling

Answer: (c)

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

Boisterous

(a) Quiet
(b) Noisy
(c) Cheerful
(d) Bossy

Answer: (a)

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

The strongest suit of documentary theatre lies not only in political insight and ignorance, but also in the variety of aesthetic approaches it makes possible.

(a) Mistake
(b) Perspicuity
(c) Discrimination
(d) Acumen

Answer: (d)

20. Select the correctly spelled sentence.

(a) The gardener planted colourfull flowers in the gardin.
(b) The gardner planted colorful flowers in the gardin.
(c) The gardener planted colourful flowers in the garden.
(d) The gardner planted colorfull flowers in the garden.

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.
>
> As 2023 closes as the warmest year on (1)_____, there is growing global concern about the rise of extreme weather (2)_____ such as flo , droughts and heatwaves. The atmosphere and oceans are warming due to increasing (3)_____ of greenhouse gases, largely caused by burning fossil fuels. This has led to a greater risk of _____ rainfall and flooding. For every 1°C rise in average global temperature, the at sphere can hold an extra 7% water vapour. When the right atmospheric 'triggers' are i e, s extra water vapour is (5)_____ as intense rainfall.

21. Select the most appropriate option to fill in blank no. 1.

(a) record
(b) absence
(c) blankness
(d) erasure

Answer: (a)

22. Select the most appropriate option to fill in blank no. 2.

(a) quietude
(b) events
(c) idleness
(d) inertness

Answer: (b)

23. Select the most appropriate option to fill in blank no. 3.
    (a) retentions
    (b) collections
    (c) immersions
    (d) emissions

    Answer: (d)

24. Select the most appropriate option to fill in blank no. 4.
    (a) moderate
    (b) gentle
    (c) extreme
    (d) average

    Answer: (c)

25. Select the most appropriate option to fill in blank no. 5.
    (a) ensnared
    (b) released
    (c) detained
    (d) confiscated

    Answer: (b)

Answer key

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

Numerical and Mathematical Ability

1	**(b)**	2	**(d)**	3	**(c)**	5	**(d)**	8	**(d)**	10	**(d)**	13	**(b)**	14	**(d)**
17	**(c)**														

Reasoning Ability and Problem Solving

1	**(b)**	2	**(b)**	4	**(b)**	5	**(c)**	6	**(c)**	7	**(a)**	8	**(c)**	10	**(d)**
12	**(a)**	13	**(c)**	15	**(c)**	16	**(c)**	17	**(b)**	18	**(a)**	20	**(d)**		

General Awareness

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

English Language and Comprehension

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