PREVIOUS YEAR PAPER

SSC MTS 2024 — 14 November 2024, Shift 1

SSC MTS & Havaldar · 14 November 2024 · 9:00 AM - 11:00 AM

71 of the paper's 90 questions · marks per question not printed on the response sheet

Left out of the original paper: 19 (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 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-2024-14-nov-shift-1/

Numerical and Mathematical Ability

1. After successive discounts of 26% and 22.5%, an item was sold at a profit of 24%. If the cost price of the item was ₹925, what was the marked price (in ₹) of the item?

(a) 2,000

(b) 2,200

(c) 1,975

(d) 2,250

Answer: (a)

3. Among three numbers, the second number is half of the first number and the third number is 4 less than the second number. If the average of the first and third numbers is 16, what is the second number?

(a) 12

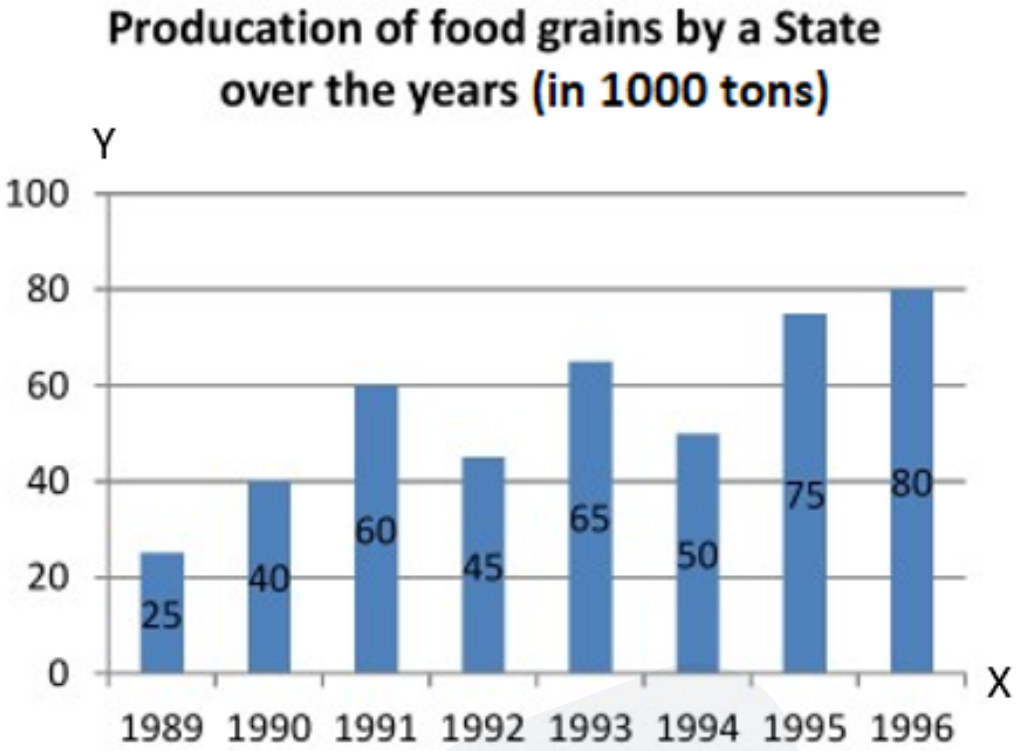
(b) 18

(c) 10

(d) 16

Answer: (a)

7. The given graph shows the production of food grains by a state (in 1000 tons) over the years from 1989 to 1996. Study the graph carefully and answer the question that follows.



In how many of the given years was the production of food grains more than the average production of the given years?

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

Q.8 A class teacher conducted a unit test in the class. If out of 25 students, 11 students' average score is 77 and rest 14 students' average score is 69, then the weighted average score is: 1. 68.54

2. 74.65

3. 72.52

4. 70.29

Answer: (d)

8. A class teacher conducted a unit test in the class. If out of 25 students, 11 students' average score is 77 and rest 14 students' average score is 69, then the weighted average score is:

(a) 68.54
(b) 74.65
(c) 72.52
(d) 70.29

Answer: (c)

9. The average of 20 results is 15 and the average of other 25 results is 24. What is the average of all the results?

(a) 22
(b) 40
(c) 20
(d) 39

Answer: (c)

12. Find the simple interest (in ₹) on ₹2500 as a sum borrowed at 7% per year rate of interest for 6 years.

(a) 990
(b) 1090
(c) 1010
(d) 1050

Answer: (d)

13. When x is added to each of 2, 3, 30 and 35, then the numbers obtained in this order are in proportion. What is the second largest part in the proportion?

(a) 35
(b) 30
(c) 45
(d) 40

Answer: (a)

14. How long (in months) will it take a sum of money invested at 5% per annum on simple interest to increase its value by 22.5%?

(a) 48
(b) 50
(c) 54
(d) 44

Answer: (c)

15. Find the simple interest (in ₹) on ₹3000 as a sum borrowed at 4% per year rate of interest for 5 years.

(a) 540
(b) 560
(c) 600
(d) 640

Answer: (c)

17. Ravish had ₹1,500 with him. Sunaina had 24% more money than what Ravish had, while Sanatan had 10% less money that what Sunaina had. How much money did Sanatan have?

(a) ₹1,764
(b) ₹1,674
(c) ₹1,774
(d) ₹1,664

Answer: (b)

20. A park has an average number of 420 visitors on Sunday and 120 on other days. The average number of visitors per day in a month of 30 days beginning with Sunday, is:

(a) 170
(b) 160
(c) 270
(d) 150

Answer: (a)

Reasoning Ability and Problem Solving

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

216 219 224 227 232 ?

(a) 234
(b) 236
(c) 235
(d) 233

Answer: (c)

3. A, B, C, D, E, F and G are sitting around a circular table facing the centre (but not necessarily in the same order). G sits to the immediate left of B. A sits to the immediate left of D. D sits second to the left of E. C sits third to the left of B. How many people sit between B and D when counted from the left of D?

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

Answer: (d)

4. In a certain code language, ‘rep sho pel’ means ‘goats are bleating’; ‘sho jin ken’ means ‘goats and cows’ and ‘met rep pi’ means 'dogs are mad'. What is the code for ‘are’ in that code language?

(a) pi
(b) met
(c) rep
(d) sho

Answer: (c)

5. Which two numbers should be interchanged to make the given equation correct? 6 × 4− (60 ÷ 5) + 15 + (33÷ 3)× 2 = 59 (Note: Interchange should be done of entire number and not individual digits of a given number)

(a) 2 and 5

(b) 2 and 4

(c) 6 and 5

(d) 5 and 15

Answer: (b)

7. A, B, C, D, E, F and G are sitting around a circular table facing the centre (but not necessarily in the same order). Only 2 people sit between A and C when counted from the right of C. B sits 2 nd to the left of C. F sits immediate on the right of D. E is not an immediate neighbour of C. Who sits immediate to the right of A?

(a) D

(b) E

(c) G

(d) F

Answer: (b)

8. EJ68 is related to OT55 in a certain way. In the same way, KP47 is related to UZ34. To which of the following is QV29 related, following the same logic?

(a) FA20

(b) FA16

(c) AF16

(d) AF20

Answer: (c)

10. 8 is related to 33 following a certain logic. Following the same logic, 11 is related to 45. To which of the following is 24 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) 97

(b) 95

(c) 99

(d) 98

Answer: (a)

11. In the following number-pairs, the second number is obtained by applying certain mathema cal opera ons to the first number. Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Opera ons should be performed on the whole numbers, without breaking down the numbers into their cons tuent digits. E.g. 13 – Opera ons on 13 such as adding/subtrac ng/mul plying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathema cal opera ons on 1 and 3 is not allowed.)

9, 43 13, 63

(a) 17, 83

(b) 17, 82

(c) 18, 82

(d) 18, 83

Answer: (a)

12. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts,decide which of the given conclusions logically follow(s) from the statements. Statements: All juices are burgers. Some burgers are chocolates. Conclusions:
(I) Some burgers are juices.
(II) Some juices are chocolates.

(a) Both conclusions I and II follow

(b) Neither conclusion I nor II follows

(c) Only conclusion II follows

(d) Only conclusion I follows

Answer: (d)

13. EJDI is related to CHBG in a certain way based on the English alphabetical order. In the same way, JOIN is related to HMGL. To which of the following is NSMR related, following the same logic?

(a) PQLK

(b) PQKL

(c) LQPK

(d) LQKP

Answer: (d)

14. In a certain code language, ‘ZERO’ is coded as ‘2468’ and ‘OILY’ is coded as ‘5679’. What is the code for ‘O’ in that language?

(a) 8

(b) 5

(c) 9

(d) 6

Answer: (d)

15. What will come in place of the question mark (?) of the following equation, if '+' and '−' are interchanged and '×' and '÷' are interchanged?

15 + 9 ÷ 2 − 63 × 3 = ?

(a) 18
(b) 33
(c) 12
(d) 25

Answer: (a)

16. In a certain code language, 'MUST' is coded as '7913' and 'TALE' is coded as '8672'. What is the code for 'T' in the given code language?

(a) 7
(b) 3
(c) 6
(d) 8

Answer: (a)

17. What should come in place of the question mark (?) in the given series based on the English alphabetical order?

HKR, DGN, ZCJ ,VYF, ?

(a) RBK
(b) RUB
(c) RFG
(d) RBY

Answer: (b)

18. In a code language, 'PARENT' is written as 'PWRANT' and 'SING' is written as 'SENG'. How will 'TERMINATE' be written in the same language?

(a) TERMANWTA
(b) SARMENWTA
(c) TARMENWTA
(d) SERMANWTA

Answer: (c)

General Awareness

1. According to the Indian calendar, the March and April months are known as _____.

(a) Asvina-Kartika
(b) Chaitra-Vaisakha
(c) Jyaistha-Asadha
(d) Magha-Phalguna

Answer: (b)

2. What is the salt measurement in hypersaline lagoons?

(a) Less than 100
(b) 30 to 35
(c) Less than 5
(d) More than 100

Answer: (d)

3. Who among the following became the Chairperson of the Parliamentary Committee on Science and Technology, Environment, Forests and Climate Change as on 30 th September 2023?

(a) Surendra Singh Nagar
(b) Neeraj Shekhar
(c) Jairam Ramesh
(d) Satish Chandra Dubey

Answer: (c)

4. What is the player who sits at the centre of the rectangular field in Kho Kho called?

(a) Captain
(b) Defender
(c) Master
(d) Chaser

Answer: (d)

5. Which type of coal is found in Damodar valley?

(a) Peat
(b) Anthracite
(c) Lignite
(d) Bituminous

Answer: (d)

6. What is the total length of 'Atal Tunnel', which is located in Himachal Pradesh state?

(a) 9.8 kilometres
(b) 9 kilometres
(c) 9.02 kilometres
(d) 9.5 kilometres

Answer: (c)

7. Shree Narayana Dharma Paripalana Yogam (SNDP), founded in 1903, to carry on the work of social reform was active in which of the following states?

(a) Bihar
(b) Assam
(c) Kerala
(d) Punjab

Answer: (c)

8. Which of the following is the national fruit of Sri Lanka?

(a) Strawberry
(b) Mango
(c) Orange
(d) Jackfruit

Answer: (d)

9. What is the process of a substance changing directly from a solid to a gas without passing through the liquid state called?

(a) Evaporation
(b) Condensation
(c) Sublimation
(d) Fusion

Answer: (c)

10. Chhath Puja falls in which month of the Hindu calendar?

(a) Ashadha
(b) Kartika
(c) Jyeshtha
(d) Phalguna

Answer: (b)

12. The Bara Imambara in Lucknow was built in the y 1784 by _____.

(a) Akbar
(b) Nawab Siraj-ud-Daula
(c) Jahangir
(d) Nawab Asaf-ud-Daula

Answer: (d)

13. In which the following sports do caddies play the role of helper for the player?

(a) Golf
(b) Shooting
(c) Boxing
(d) Cycling

Answer: (a)

14. How much amount is provided per month as assistance to the female head of the family under the Gruha Lakshmi Scheme launched by the Karnataka Government in July 2023?

(a) ₹1,500
(b) ₹3,500
(c) ₹5,000
(d) ₹2,000

Answer: (d)

15. Which of the following statements about the Sangeet Natak Akademi is/are true?
1. The Sangeet Natak Akademi has been functioning as the apex body of the performing arts in the country.
2. The main objective of the Akademi is to coordinate and collaborate with the government and performing artists.
3. The Sangeet Natak Akademi comes under the Ministry of Culture of the government of India.

(a) Only 2 and 3
(b) Only 1 and 3
(c) Only 1 and 2
(d) 1, 2, and 3

Answer: (d)

16. Which of the following are building blocks of proteins?

(a) Bases
(b) Amino acids
(c) Cells
(d) Acids

Answer: (b)

17. The 'Servants of India Society' was founded by which of the following freedom fighters?

(a) Chittaranjan Das
(b) Mahatma Gandhi
(c) Gopal Krishna Gokhale
(d) Motilal Nehru

Answer: (c)

18. _____, which translates to 'dance of the enchantress,' stands out as one of the most captivating expressions in the Indian classical dance repertoire.

(a) Mohiniyattam
(b) Kuttiyatam
(c) Manipuri
(d) Kuchipudi

Answer: (a)

19. Name the Sri Lankan Buddhist text that provides details of the Mauryan empire.

(a) Divyavadana
(b) Dipavamsa
(c) Parishishtaparvan
(d) Ashokavadana

Answer: (b)

20. Which of the following states in India had the LOWEST poverty ratio in 2011-2012 as per the Economic Survey 2013-14, released by the Ministry of Finance, Government of India?

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

Answer: (a)

21. Under which category did Ricky Kej secure his third Grammy award?

(a) Best Immersive Audio Album
(b) Song of the year
(c) Best Audio Album of the year
(d) Best Contemporary Instrumental Album

Answer: (a)

22. Which of the following is the legislative organ of the Union Government?

(a) Judiciary
(b) Executive
(c) State Executive
(d) Parliament

Answer: (d)

23. Which of the following is the quality of the public ods?

(a) Rivalrous
(b) Non-rivalrous
(c) Excludable
(d) Non-divisible

Answer: (b)

24. Who among the following Mughal emperors had a great interest in paintings?

(a) Babur
(b) Humayun
(c) Jahangir
(d) Shahjahan

Answer: (c)

English Language and Comprehension

2. Select the most appropriate homonym to fill in the blank.

During the _____ of Queen Victoria, England made all-round progress.

(a) rein
(b) rain
(c) reign
(d) rhine

Answer: (c)

3. Select the most appropriate option to fill the blank. The strike, that the truck association called, caused a minor _____ of food in our village.

(a) leak
(b) dearth
(c) less
(d) availability

Answer: (b)

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

The Rungrado is the large football stadium in the world.

(a) largest
(b) most largest
(c) larger
(d) more larger

Answer: (a)

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

Pay off old scores

(a) To score good marks
(b) To clear one's debt
(c) To have one's revenge
(d) To be successful

Answer: (c)

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

Whimsical

(a) Practical
(b) Confident
(c) Illogical
(d) Fickle

Answer: (a)

8. 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 required'.

Mahira is an more efficient and hardworking employee of her company.

(a) Mahira is the efficient
(b) Mahira is the more efficient
(c) Mahira is an efficient
(d) No substitution required

Answer: (c)

9. Select the option that rectifies the underlined spelling error.

Participating in the marthon was a challenging experience.

(a) merethon
(b) marathon
(c) mereton
(d) marethon

Answer: (b)

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

Where have you _____ all this time?

(a) bean
(b) been
(c) bin
(d) bine

Answer: (b)

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

A person who loves music

(a) Melophile
(b) Discophile
(c) Astrophile
(d) Chromatophilic

Answer: (a)

12. Select the INCORRECTLY spelt word.

(a) Noctummbulism
(b) Chauvinism
(c) Alcoholism
(d) Somnambulism

Answer: (a)

13. Select the most appropriate option to fill in the blank. Indian Meteorological Department (IMD) had _____ that the city would witness rainfall on Thursday.

(a) forecast
(b) contest
(c) prolong
(d) manifest

Answer: (a)

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

(a) Reflect
(b) Accept
(c) Pursue
(d) Evade

Answer: (d)

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

The company implemented a new _____ to improve efficiency.

(a) strategie
(b) stratagy
(c) strateji
(d) strategy

Answer: (d)

16. Select the most appropriate option to fill the blank.

We should always _____ our best to help others.

(a) done
(b) do
(c) did
(d) does

Answer: (b)

17. Select the most appropriate option that can substitute the underlined segment in the given sentence. If we want to promote national integrity in our country, then we must desist our tendency of taking up with others.

(a) coming round
(b) bringing forward
(c) looking down upon
(d) setting out

Answer: (c)

19. Select the most appropriate synonym of the given word to fill in the blank. Desist Every Indian should ____ from acts of corruption.

(a) insist
(b) show
(c) refrain
(d) pledge

Answer: (c)

20. Parts of the following sentence have been given as options. Select the option that contains an error. John searched thoroughly but could not find his coat nowhere in the house.

(a) but could not
(b) find his coat
(c) John searched thoroughly
(d) nowhere in the house.

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.
>
> Our (1)_____ revolve around our work. For the most part, males have to labour with their hands in order to (2)_____ themselves. But everyone needs to work in some (3)_____. It provides honour and credit to us. Nothing in life can be accomplished without it. Man is great only because of his labours. (4)_____ comes from work. The secret to success is this. Nobody can advance without labour. It truly is the (5)_____ idea of existence. Without it, life is even less meaningful.

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

(a) lives
(b) creatures
(c) histories
(d) mortals

Answer: (a)

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

(a) support
(b) bear
(c) promote
(d) embrace

Answer: (a)

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

(a) magnitude
(b) volume
(c) capacity
(d) measurement

Answer: (c)

24. Select the most appropriate option to fill in blank number 4.
    (a) Boast
    (b) Remedy
    (c) Glory
    (d) Shame

    Answer: (c)

25. Select the most appropriate option to fill in blank number 5.
    (a) fundamental
    (b) secondary
    (c) uproar
    (d) demean

    Answer: (a)

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	**(a)**	3	**(a)**	7	**(d)**	8	**(c)**	9	**(c)**	12	**(d)**	13	**(a)**	14	**(c)**
15	**(c)**	17	**(b)**	20	**(a)**										

Reasoning Ability and Problem Solving

1	**(c)**	3	**(d)**	4	**(c)**	5	**(b)**	7	**(b)**	8	**(c)**	10	**(a)**	11	**(a)**
12	**(d)**	13	**(d)**	14	**(d)**	15	**(a)**	16	**(a)**	17	**(b)**	18	**(c)**		

General Awareness

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

English Language and Comprehension

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