

Advt. 11/2022

date of Exam.: 24/01/2023.

**NATIONAL COUNCIL OF SCIENCE MUSEUMS**  
**KOLKATA-700 091**

**WRITTEN TEST FOR RECRUITMENT OF JR. STENOGRAPHER**

Time : 2 Hours

Total Marks : 100

Name of Candidate: \_\_\_\_\_ Application/Roll No: \_\_\_\_\_

Email ID: \_\_\_\_\_ Mobile No.: \_\_\_\_\_ Signature: \_\_\_\_\_

**PART - A**

There are four suggested answers to each question. Only one of the same is the correct answer. Choose the correct answer from the options given below:

(Question 1 to 70)

(70X1=70 Marks)

1. Select the number from among the given options that can replace the question mark (?) in the series - 121, 169, 225, 289, ?  
a) 410                      b) 305                      c) 398                      d) 361

2. Look at the series 75 65 85 55 45 85 35 ..... What number should come next?  
a) 25 15                      b) 25 75                      c) 35 25                      d) 25 85

3. Select the missing number from the given responses?

9	11	13
3	4	7
3	4	5
81	176	?

- a) 143                      b) 169                      c) 455                      d) 545455
4. Select the correct combination of mathematical signs that can sequentially replace the \* signs and make the equation correct.  
45 \* 24 \* 72 \* 20 \* 12 \* 7  
a) =, x, +, ÷, -                      b) x, ÷, =, -, +                      c) ÷, x, +, -, =                      d) +, ÷, -, =, x

5. Fill the blank in the middle of the series.  
ELFA, GLHA, ILJA, ....., MLNA  
a) OLPA                      b) KLMA                      c) LLMA                      d) KLLA

6. Complete the series KVS, QBY, WHE, CNK, .....  
a) ITQ                      b) HSP                      c) JUR                      d) KVS

7. In a certain code language COMPUTER is written as RFUVQNPC. How will MEDICINE be written in that code language?  
 a) MFEDJJOE      b) EOJDEJFM      c) EOJDJEFM      d) MFEJDJOE
8. If PAINT is coded as 74128 and EXCEL is coded as 93596 then how would you encode ACCEPT?  
 a) 455978      b) 547978      c) 454978      d) 554978
9. If PIPE is written as 169165, then what is the last digit of SWAN?  
 a) 5      b) 6      c) 4      d) 3
10. If the TAP is coded as SZO, then how is FREEZE coded?  
 a) ATSSST      b) EQDDYD      c) ESDDYD      d) EQDDZD
11. A clock gains 15 minutes per day. It is set right at 12 noon. What time will it show at 4.00 am, the next day?  
 a) 4.10 am      b) 4.45 am      c) 4.20 am      d) 5.00 am
12. An accurate clock shows 7 o'clock in the morning. Through how many degrees will the hour hand rotate when the clock shows 3 o'clock in the afternoon?  
 a) 144°      b) 168°      c) 180°      d) 150°
13. Select the correct word from the given alternatives - Paw : Cat :: Hoof : ?  
 a) Lamb      b) Horse      c) Elephant      d) Tiger
14. Select the correct word from the given alternatives - Melt : Liquid :: Freeze : ?  
 a) Ice      b) Solid      c) Condense      d) Push
15. Select the related word pair from the given alternatives - Book : Pages :: ? : ?  
 a) Writer : Write      b) Pen : Write      c) Car : Tyre      d) Tyre : Round
16. Which word does NOT belong with the others?  
 a) inch      b) ounce      c) centimeter      d) yard
17. Some boys are sitting in a row. P is sitting fourteenth from the left and Q is seventh from the right. If there are four boys between P and Q, how many boys are there in the row?  
 a) 26      b) 24      c) 25      d) 22
18. Complete the series choosing the missing letters: pqrp\_\_qq\_\_rppp\_\_qqr\_\_r\_\_qrppq\_\_rr  
 a) p,r,p,r,q,p      b) p,q,r,p,q,r      c) p,p,q,q,r,r      d) p,r,q,r,p,q
19. Looking at the portrait of a man, Piyush said, 'His mother is the wife of my father's son. Brothers and sisters I have none'. At whose portrait was Piyush looking?  
 a) His cousin      b) His nephew      c) His uncle      d) His son

20. Jaydip is brother of Ravi. Rita is sister of Atul. Ravi is son of Rita. How is Jaydip related to Rita?  
 a) Brother                      b) Nephew                      c) Son                      d) Father
21. If January 1996 was Monday, what day of the week was in January 1997?  
 a) Tuesday                      b) Wednesday                      c) Friday                      d) Sunday
22. Given below are few statements followed by few conclusions. You have to assume everything in the statements to be true, then consider the conclusions together and decide which of them logically followed beyond a reasonable doubt from the information given in the statement.  
 Statements: All fruits are leave.  
                   Some leaves are trees.  
                   All trees are house.  
 Conclusions: I) Some houses are fruits.  
                   II) Some trees are fruits.  
                   III) Some houses are trees.  
 a) Only I follows                      b) Only II follows                      c) Only III follows                      d) Either I or III follows
23. Statement: A large number of people in ward X of the city are diagnosed to be suffering from a fatal Malaria type.  
 Course of Action:  
 I) The city municipal authority should take immediate steps to carry out extensive fumigation in Ward X.  
 II) The people in the are should be advised to take steps to avoid mosquito bites.  
 a) Only I follows                      b) Only II follows  
 c) Either I or II follows                      d) Both I & II follow
24. Chandan is 2 years older than Ankit but 1 year younger than Sumit. Ankit is twice as old as Khushboo. If Khushboo's age is 25 years, what is the age (in years) of Sumit?  
 a) 51                      b) 53                      c) 52                      d) 55
25. The average weight of a group of 20 boys was calculated to be 89.4 kg and it was later discovered that one weight was misread as 78 kg instead of 87 kg. The correct average weight is ....  
 a) 88.95 kg                      b) 89.25 kg                      c) 89.55 kg                      d) 89.85 kg
26. In a family the average age of a father and a mother is 35 years. The average age of the father, mother and their only son is 27 years. What is the age of the son?  
 a) 9                      b) 10                      c) 11                      d) 12
27. A train runs for 2 hours at the speed of 40 km/h and then runs for 4.5 hours at the speed of 60 km/h and then runs for 3.5 hours at the speed of 70 km/h. Find the average speed of the train?  
 a) 59.5 km/h                      b) 80 km/h                      c) 56.87 km/h                      d) 57.1 km/h
28. A's 2 days' work is equal to B's 3 days work. If A can complete the work in 8 days then to complete the work B will take...  
 a) 10 days                      b) 12 days                      c) 14 days                      d) 16 days

29. A bank offers 10% compound interest per half year. A customer deposits Rs.3600 each on 1<sup>st</sup> January and 1<sup>st</sup> July of a year. At the end of the year, the amount he would have gained by way of interest is...
- a) 1116                      b) 2232                      c) 549                      d) 279
30. The value of a machine depreciates every year by 10%. If its present value is 50000 then the value of the machine after 2 years will be.....
- a) 40050                      b) 45000                      c) 40005                      d) 40500
31. A and B entered into a partnership investing Rs.16000 and Rs.12000 respectively. After 3 months A withdrew Rs.5000 while B invested Rs.5000 more. After 3 more months C joins the business with a capital of Rs.21000. The share of B exceeds that of C, out of total profit of Rs.26400 after one year by
- a) 2400                      b) 1200                      c) 3600                      d) 4800
32. B borrowed Rs.5000 from A at 6% p.a. simple interest and lend it to C at compound interest of 10% p.a. If B collects the money back from C after 2 years and repays A, the profit made by B in the transaction is -
- a) 600                      b) 1050                      c) 500                      d) 450
33. The population of a town is increased from 54500 to 58500 in one year. What is the percentage increase in the population?
- a) 6.34%                      b) 5.34%                      c) 7.34%                      d) 4.34%
34. In a school the number of boys and girls are in the ratio of 4:7. If the number of boys are increased by 25% and the number of girls are increased by 15%. What will be the new ratio of number of boys to that of girls?
- a) 100:131                      b) 100:151                      c) 100:161                      d) 100:181
35. A sum of three numbers is 210. If the ratio between the first and second number be 2:3 and that between the second and third be 4:5, then the difference between the first and third number?
- a) 21                      b) 35                      c) 42                      d) 5642
36. A company reduces his employees in the ratio 14:12 and increases their wages in the ratio 16:18. Determine whether the bill of wages increases or not and in what ratio.
- a) Decreases 28:27                      b) Increases 27:28  
c) Decreases 29:28                      d) Increases 28:29
37. A Sales Executive gets a commission on total sales at 8%. If the sale is exceeded Rs.10,000 he gets an additional commission as a bonus of 4% on the excess of sales over Rs.10,000. If he gets the total commission of Rs.950, then the bonus he received is?
- a) 40                      b) 50                      c) 36                      d) 48
38. Cost Price of two laptops is same. One of the laptop is sold at a profit of 15% and the Selling Price of another one laptop is Rs.3400 more than the first one. The net profit is 20%. What is the Cost Price of each laptop?
- a) 36000                      b) 40000                      c) 48000                      d) 34000

39. Last year there were 610 boys in a school. The number decreased by 20 percent this year. How many girls are there in the school if the number of girls is 175 percent of the total number of boys in the school this year?  
 a) 854                      b) 848                      c) 798                      d) 782
40. After their day's work two village women are returning home. The first woman walks 1.5 Km West, then turns to her right and walks 3 Km to reach her house. In the mean while the second woman walks 1 Km North, then she turns East and walks 3.5 Km, then she turns to her left and walks 2 Km to reach her house. Where is the first woman's house with respect to the second woman's house?  
 a) 2 Km West              b) 5 Km East              c) 5 Km West              d) 2 Km East
41. Which of the following sentences is correctly punctuated?  
 a) Everyone has special skills; some people use them very well.  
 b) Everyone has special skills; and, some people use them very well.  
 c) Everyone has special skills some people use them very well.  
 d) Everyone has special skills and, some people use them very well
42. 'One who possesses many talents' One word substitute for the given word is?  
 a) Exceptional              b) Wisdom              c) Versatile              d) Nubile
43. Select the most appropriate option to substitute the underlined segment in the given sentence.  
 No effort has been made by the Indian cricket team to cash off on its vibrant image in the World Cup.  
 a) to cash in on                                      b) for cash on in  
 c) to cash up on                                      d) for cashing off on
44. Which word or words explains the meaning of the following idioms:  
 A bull in a china shop -  
 a) A person who is very ugly but loves the beautiful things of life  
 b) A person who takes a sadistic delight in harming innocent people  
 c) A person who becomes too excited where no excitement is warranted  
 d) A rough and clumsy person at a place where skill and care are required
45. Select the most appropriate meaning of the underlined idiom in the given sentence.  
 The boss is going to blow his top when he discovers the blatant mistake in the balance sheet.  
 a) attack fiercely                                      b) be very embarrassed  
 c) be very angry                                      d) dismiss from job
46. Select the most appropriate meaning of the underlined idiom in the given sentence.  
 A lot of work has gone on behind the scenes for the special event which is being planned next week.  
 a) In the theatre                                      b) Unknown to everyone  
 c) For spreading the news                              d) To complete the arrangements



56. Select the correct passive form of the given sentence.

His mother gave him a note for his teacher.

- a) He was given a note for his teacher by his mother
- b) He is given a note for his teacher by his mother
- c) He had been given a note for his teacher by his mother
- d) His teacher was given a note for his mother

57. Select the correct indirect form of the given sentence.

He said to me, "What are you doing?"

- a) He said what I had been doing
- b) He said that what I was doing
- c) He asked me what I was doing
- d) He asked me that what was I doing

58. Select the indirect narration of the given sentence.

He said to me, "What time do the banks open and close?"

- a) He asked me what time do the banks open and close
- b) He said me what time did the banks open and close
- c) He wanted to know what time the banks open and close
- d) He asked me what time the banks opened and closed

59. Select the option that is the direct form of the given sentence.

Brinda told her doctor that she was leaving for Boston the next day.

- a) Brinda told her doctor, "I was leaving for Boston tomorrow"
- b) Brinda had told her doctor, "She was leaving for Boston the next day"
- c) Brinda said to her doctor, "I am leaving for Boston tomorrow"
- d) Brinda told to her doctor, "I will be leaving for Boston the next day"

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

In order to \_\_\_\_\_ to a new place you may need to adjust to the ways of that culture.

- a) Avoid
- b) adapt
- c) adhere
- d) adopt

61. Select the most appropriate word to fill in the blank.

It is not \_\_\_\_\_ of language that makes one an ineffective speaker; it is the dearth of ideas.

- a) Difficulty
- b) complexity
- c) intricacy
- d) poverty

62. Select the option that expresses the given sentence in reported speech.

She said to me, "What time is your flight tomorrow?"

- a) She asked me what time is my flight the next day
- b) She asked me what time my flight will be the next day
- c) She asked me what time my flight was the following day
- d) She asked me that what time was my flight tomorrow.

63. Select the correct tense of following sentence:

It has been raining heavily.

- a) simple past
- b) simple present
- c) present perfect continuous
- d) past perfect continuous

