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NCSM
Office Asst.

Previous Year Paper
03 Apr, 2022

NATIONAL COUNCIL OF SCIENCE MUSEUMS
33, Block – GN, Sector – V, Bidhan Nagar,
<u>KOLKATA – 700 091</u>

<u>WRITTEN TEST FOR RECRUITMENT OF OFFICE ASSISTANT (GRADE–III)
AT DHENKANAL SCIENCE CENTRE, DHENKANAL</u>

Time: 2 Hours   Total Marks: 100

Name of the Candidate: _____

Roll No: _____ Signature with date: _____ 9ft-3/4/2022

<u>General Instructions</u>:

1.   All the questions are compulsory.

2.   To answer objective type questions (**Part - I**) put a (√) mark on the correct answer in the question paper itself from the 4 alternatives given below against each question.

3.   For answering Descriptive type questions (**Part - II**), use separate sheets to be provided by the office.

4.   Mobile phones are to be put on switched off mode in examination hall.

Part - I

A.   Fill in the blanks using most appropriate word: (30 x 1= 30)

1.   Last year there was an increase .... the number of road accidents on the National Highway.

a) at   b) to   c) in   d) with

2.   Several villages in Kashmir have been .... due to heavy snowfall.

a) isolated   b) engaged   c) confined   d) divided

3.   We warned her .... the danger.

a) from   b) about   c) against   d) of

4.   We all laughed .... her affair.

a) over   b) about   c) for   d) on

5.   The policy is committed .... high speed internet.

a) for providing   b) to provide   c) to providing   d) in providing

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B. State the synonyms of the following words:

6. Flaunt
   a) cut   b) deceive   c) blame   d) exhibit

7. Subjugate
   a) capitulate   b) conquer   c) strike   d) confuse

8. Transient
   a) short lived   b) changing   c) change direction   d) see through

9. Fillip
   a) flip   b) knock   c) blow   d) boost

10. Drag
    a) pull   b) lift   c) push   d) crack

C. State the antonyms of the following words:

11. Visionary
    a) creative   b) pragmatic   c) futuristic   d) imaginative

12. Constant
    a) uninterrupted   b) perpetual   c) varying   d) regular

13. Grim
    a) gloomy   b) severe   c) harsh   d) pleasant

14. Mammoth
    a) stupendous   b) monumental   c) prodigious   d) minute

15. _____
    a) _____   b) _____   c) active   d) sluggish

D. Choose the one which can be substituted for the given words or sentence:

16. A person who insists on adherence to formal rules or literary meaning

    a) scholar   b) pedant   c) pedagogue   d) literalist

17. Calmness and indifference to suffering

    a) stoicism   b) despair   c) agony   d) materialism

18. Fear of crowd

    a) ochlophobia   b) hydrophobia   c) xenophobia   d) whoopee

19. A person who thinks or speaks too much of himself

    a) egoist   b) egotist   c) hypocrite   d) leader

20. A person who collects coins for study

    a) Ornithologist   b) Numismatist   c) Philatelist   d) Coin collector

E. Choose the one which best expresses the meaning of the given idiom/proverb:

21. At one's wits' end

    a) happy   b) puzzled   c) confident   d) defeated.

22. By leaps and bounds

    a) very quickly   b) overwhelmed   c) jumping   d) enthusiastic.

23. Blow one's own trumpet

    a) making sound   b) commended   c) boast oneself   d) praised.

24. To be at daggers drawn

    a) to be bitter enemy   b) very friendly   c) to stab at one's back   d) none

25. Give the go-ahead

    a) start   b) begin again   c) walk

    d) permission to start doing something

F. Given below are underlined common errors, mark the correct response:

26. The road is closed for <u>renovation.</u>

    a) repair   b) uplift   c) beautification   d) reconstruction

27. Please pay <u>in</u> cheque.

    a) through   b) by   c) on   d) from

28. There is no <u>place</u> on the bench.

    a) space   b) leg   c) room   d) congestion

29. He died <u>from</u> cancer.

    a) with   b) from   c) of   d) for

30. He is weak <u>at</u> English.

    a) on   b) with   c) for   d) in

G. Mark the correct answers: **(20 X 1) = 20**

31. If "GIVE" is coded as "5137" and "BAT" is coded as "924", how will "GATE" be coded in the same code?

    a) 2547   b) 5427   c) 5724   d) 5247

32. If in a certain code language "CERTAIN" is written as DFSUBJO, in the same language "SUMMER" will be written as

    a) TUNMFS   b) TVNNFS   c) TVNNFT   d) RVNNFS

33. Which letter-cluster will replace the question mark (?) in the following series.

    CFZ, EGX, HIU, JLS, MPP, ?

    a) OUN   b) NTO   c) OTN   d) MSN

34. If A is the son of Q, Q and Y are sisters, Z is the mother of Y, P is the son of Z, then which of the following statement is correct?

    a) P is maternal uncle of A

    b) P and Y are sisters

    c) A and P are cousins.

    d) None of the above.

35. Mr. and Mrs. Smith had seven sons, each had a sister. How many people were there in the Smith family?

a) 16 b) 10 c) 12 d) 14

36. Pointing to a man in a photograph, a woman said, "His brother's father is the only son of my grandfather." How is the woman related to the man in the photograph?

a) Daughter b) Mother c) Aunt d) Sister

37. Select the number that can replace the question mark (?) in the following series

1, 27, 125, 343, 729, ?

a) 1029 b) 1331 c) 1244 d) 1525

38. Mrs. X was 3 times as old as her son 8 years ago. Their total age is 64 years now. How old is Mrs. X now?

a) 48 years b) 12 years c) 36 years d) 44 years

39. 100 cats killed 100 rats in three minutes. How many minutes did three cats take to kill three rats?

a) 30 min. b) 10 min. c) 3 min. d) 1 min.

40. Insert the missing number, if 196 (25) 324   then 329 (?) 137

a) 29 b) 125 c) 25 d) 31

41. Three of the following four letter-clusters are alike in a certain way and one is different. Find the odd letter-cluster.

a) UVwXXYY b) PQrSSTT c) BCdEFFF d) IJkLLMM

42. Find the odd word-pair.

a) Carpenter : Saw b) Mason : Knife c) Author : Pen d) Warrior : Sword

43. Choose the correct alternative that will continue the same pattern 13, 35, 57, 79, 911, ... ?

a) 1145 b) 1113 c) 1117 d) 1110

44. Arrange the words given below in a meaningful sequence?

1.Poverty 2. Population 3. Death 4. Unemployment 5. Disease.

a) 2,3,4,5,1 b) 3,4,2,5,1 c) 2,4,1,5,3 d) 1,2,3,4,5

45. In each of the following questions, select the related number/word from the given alternatives.

9:7:: 80: (?)

a) 49   b) 50   c) 78   d) 82

46. Defer: Put off, Deduce: (?)

a) infer   b) protect   c) delete   d) oppose

47. Stone: Sculpture:: ? : ?

a) Mural: Painting   b) Opera: Stage   c) Canvas: Easel   d) Clay: Pottery

48. If the day before yesterday was Sunday, what day will it be three days after the day after tomorrow?

a) Saturday   b) Wednesday   c) Monday   d) Sunday

49. Select the option in which the words share the same relationship as that shared by the given pair of words

Phobia : Fear

a) Amnesia : Forgetting   b) Cough : Infection   c) Dengue : Mosquitoes
d) Dyslexia : Disability

50. Find out the missing term from the following alternatives to complete the series;

ELFA, GLHA, ILJA, (?), MLNA

a) OLPA   b) KLMA   c) LLMA   d) KLLA

H. Solve the following arithmetical sums and mark the correct response (15 x 2) = 30

51. The inner circumference of a circular garden is 88 meter. If 14 meter wide path is around it, then the radius of the circle is

a) 20 met.   b) 28 met.   c) 30 met.   d) 40 met.

52. A sum of money placed at compound interest doubles itself in 4 years. In how many years will it amount to eight times itself ?

a) 12 years   b) 15years   c) 20 years   d) 25 years

53. The area of the four walls of a room is 660 met sq. and length is twice the breadth, the height being 11 met. Find the area of the ceiling?

    a) 200 met.sq.   b) 300 met.sq.   c) 400 met.sq.   d) 500 met.sq.

54. A goods train runs at the speed of 72 kmph. And crosses a 250 met. long platform in 26 seconds. What is the length of the goods train?

    a) 230 met.   b) 240 met.   c) 260 met.   d) 270 met.

55. In a division sum, the divisor is 12 times the quotient and 5 times the remainder. If the remainder is 48, then what is the dividend?

    a) 2404   b) 4808   c) 3648   d) 4848

56. A well of diameter 7m and depth 18m. has been dug out. The soil taken out from engraving is spread equally to make a platform of 18m x 14m. What will be the height of the platform?

    a) 2.6 m   b) 3.2 m   c) 2.75 m   d) 3.05 m

57. The selling price of an article is Rs.2,28,528/-. A shopkeeper marks its cost more than 15% of the cost price and provides discount of 10%. What is the cost price of the article?

    a) 2,18,650/-   b) 2,87,390/-   c) 2,58,740/-   d) 2,20,800/-

58. If $a+3b = 12$ and $ab = 9$, then the value of $(a–3b)$ is:

    a) 4   b) 8   c) 6   d) 9

59. What percentage of the numbers from 101 to 1000 have 9 in the unit's digit?

    a) 10%   b) 12%   c) 20%   d) 15%

60. The wrong number in the series 2, 9, 28, 65, 126, 216, 344 is

    a) 65   b) 216   c) 9   d) None of these

61. A shopkeeper sold two articles for Rs.9,831/- each. On one he gained 13% and on the other, he lost 13%. What is the overall percentage of gain or loss?

    a) 6.5% loss   b) 6.5% gain   c) 1.69% gain   d) 1.69% loss

62. In an examination, 54% of the candidates passed in science and 42% failed in mathematics. If 32% failed in both subjects, what percentage of candidates passed in both subjects?

    a) 44%   b) 48%   c) 32%   d) 56%

63. A sum was invested at simple interest at a certain rate for 2 years. It would have fetched Rs.60/- more had it been invested at 2% higher rate. What was the sum?

    a) Rs.1500/-   b) Rs.1300/-   c) Rs.2500/-   d) Rs.1000/-

64. Two numbers are in the ratio 4 : 7. If their HCF is 26, then the sum of these two numbers will be

    a) 312   b) 364   c) 286   d) 338

65. A piece of work can be done by Ram and Shyam in 12 days, by Shyam and Hari in 15 days and by Hari and Ram in 20 days. Ram alone will complete the work in

    a) 30 days   b) 32 days   c) 36 days   d) 42 days

Part - II

1. Write a letter to the Editor of a newspaper in about 100 words on crimes against woman – a social evil and suggest measures to improve their overall condition for betterment of the society.

<div align="center">OR</div>

Write a complaint letter in about 100 words to your Civic Authority stating unhygienic conditions and inadequate civil amenities in your locality which may lead to outbreak of epidemic in the area. Also suggest remedial measures to check such situation in future.

<div align="right">(10 Marks)</div>

2. Write a paragraph in about 100 words on any one of the following:

    (a)   Environmental issues

    (b)   The pleasure of reading

    (c)   Women empowerment

<div align="right">(10 Marks)</div>