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NCSM
Office Asst.

Previous Year Paper
29 Apr, 2019

NATIONAL COUNCIL OF SCIENCE MUSEUMS
KOLKATA

Aptitude Test for recruitment of Office Assistant Gr. III

Date :29.04.2019	Duration : 3 Hrs.
	Max. Marks : 100

NAME OF THE CANDIDATE : _____ ROLL NO. _____

PART — 'A'

(A) <u>Tick mark the</u> <u>correct answer from the options given</u> :   *(20 x 1= 20 marks)*

1. Obtain the missing term

    300, 296, 287, 271, ? , 210

    a)   246   b) 250   c) 244   d) 256

2. Laugh is related to Joy in the same way as Cry is related to —

    a)   Child   b) Sad   c) Punishment   d) Sorrow

3. Pointing to a lady in the photograph, Rakesh says to his friend, "She is the granddaughter of the elder brother of my father". How is the lady in the photograph related to the Rakesh?

    a)   Niece   b) Sister   c) Aunt   d) Sister-in-Law

4. A policeman goes 20 Km east and then turning to the south he goes 30 km and then again turns to his left and goes 10 km. How far is he from his starting point ?

    a) 30 km   b) 20 km   c) 10 km   d) 40 km

5. In a certain language `MUMBAI' is coded as "LTLAZH". How is "KANPUR" coded in that language?

    a) JZMOTQ   b) LBOQVS   c) JBOOVS   d) None of these

6. *A* and *B* can do a piece of work in 18 days. A and C in 12 days and B and *C* in 9 days. In what time can *B* alone do it?

    a)   18 days   b) 24 days   c) 30 days   d) 40 days

7. In a test in which 120 students appeared, 90 passed in History, 65 passed in Sociology and 75 passed in Political Science. 30 students passed in only one subject and 55 students in only two. 5 students passed no subjects. How many students passed in all the three subjects ?

   a) 25   b) 30   c) 35   d) 40

8. Which of the following letters would come next in the series of letters ?
   Z, W, R, K, _____

   a) A   b) C   c) B   d) D

9. Horse : foal :: Butterfly : ?
   a) Piglet   b) duckling   c) caterpillar   d) cub

10. Find the odd one out —
   a) Microscope   b) Telescope   c) Periscope   d) Stethoscope

11. Careful is to cautious as boastful is to __
   a) arrogant   b) humble   c) joyful   d) suspicious

12. 39 persons can repair a road in 12 days, working 5 hours a day. In how many days will 30 persons working 6 hours a day, complete the work?

   a) 10   b) 13   c) 14   d) 15

13. If a person walks at 14 km/hr instead of 10 km/hr, he would have walked 20 km more. The actual distance travelled by him is :
   a) 50 km   b) 56 km   c) 70 km   d) 80 km

14. *A is* two years older than *B* who is twice as **old** as C. If the total of the ages of *A, B* and *C* be 27, then how old is *B ?*
   a) 7   b) 8   c) 9   d) 10

15. In the first 10 overs of a cricket game, the run rate was only 3.2. What should be the run rate i the remaining 40 overs to reach the target of 282 runs ?
   a) 6.5   b) 6.25   c) 6.75   d) 7

16. In a certain code, if 'ABHI' is written as 20 and 'RAM' is written as 32, then how will you code 'SHIP' ?

   a) 51   b) 50   c) 52   d) 53

17. Arrange the words in a logical sequence and select the right sequence.

    Probation   2. Interview   3. Selection

    4. Appointment   5. Advertisement   6. Application

    a)   5,6,2,3,4,1   b) 5,6,3,2,4,1   c) 5,6,4,2,3,1   d) 6,5,4,2,3,1

18. If 'a' means +,   `b' means -, 'c' means x and `d' means

    Calculate the value of *6a7b8c8d2*

    a)   -17   b) 12   c) -19   d) none of these

19. A confused dog runs 20 metres towards the east and turns right, runs 10 metres and turns to his right, runs 9 metres and again turns to his left, runs 5 metres and then turns to his left; runs 12 metres and finally turns to his left and runs 6 metres. Now which direction is the dog facing?

    a)   East   b) North   c) West   d) South

20. A tank can be filled with water by two pipes A and B together in 36 minutes. If the pipe B was stopped after 30 minutes, the tank is filled in 40 minutes. The pipe B alone can fill the tank in

    a)   45 minutes   b) 60 minutes   c) 75 minutes   d) 90 minutes

 (B) <u>Four options are given for each of the following question. Choose the correct answer:</u>

 (15 x 2 = 30 marks)

21. A man purchased a table and a chair for Rs.2000/-. He sold the table at a profit of 20% and the chair at a profit of 40%. In this way, his total profit was 25%. Find the cost price in Rupees of the table

    a)   1500   b) 900   c) 1000   d) 800

22. A bonus of Rs.1,00,000 was divided among 500 workers of a factory. Each male worker gets 500 rupees and each female worker gets 100 rupees . Find the number of male workers in the factory.

    a)   250   b) 375   c) 290   d.) 125

23. Two buckets of equal capacity are full of a mixture of milk and water. In the first, the ratio of milk to water is 1 : 7 and in the second it is 3 : 8. Now both the mixtures are mixed in a bigger container. What is the resulting ratio of milk to water?

    a)   43 : 41   b) 42 : 49   c) 35 : 141   d)   41 : 53

3

24. The population of a town is 5,00,000. The rate of increase is 20% per annum. Find the population at start of the third year?

a) 6,20,000   b) 7,20,000   c) 8,30,000   d) none of these

25. A man sells a TV set for Rs.33,000 and makes a profit of 10%. He sells another TV at a loss of 20%. If on the whole, he neither gains nor loses, find the selling price of the second TV set.

a) 15,000   b) 12,000   c) 30,000   d) 27,000

26. If a certain sum of money becomes double at simple interest in 12 years, what would be the rate of interest per annum?

a)   8.33   b)   12   c)   10   d)   14

27. Find the principal if the interest compounded at the rate of 10% per annum for two years is Rs.420.

a) Rs.2000   b) Rs.2200   c) Rs. 1000   d) Rs. 1100

28. Ajay and Vijay can do a piece of work in 28 days. With the help of Manoj, they can finish it in 21 days. How long will Manoj take to finish the work all alone?

a) 70 days   b) 75 days   c) 80 days   d) 84 days

29. A train can travel 50% faster than a car. Both start from point A at the same time and reach point B 75 kms away from A at the same time. On the way, however, the train list about 12.5 minutes while stopping at the stations. The speed of the car is :

a) 100 kmph   b) 110 kmph   c) 120 kmph   d) 130 kmph

30. Sudhir spends 25% of his salary on house rent, 20% of the rest he spends on his children's education and 10% of the total salary he spends on clothes. After his expenditure, he is left with Rs.20,000/-. What is Sudhir's salary ?

a) Rs.40,000   b) Rs.20,000   c) Rs.25,000   d) Rs.35,000

31. Two trains for Mumbai leave Delhi at 6.00 a.m. and 6.45 a.m. and travel at 100 kmph and 136 kmph respectively. How many kilometres from Delhi will two trains be together?

a) 262.4 km   b) 260 km   c) 283.33 km   d) 275 km

32. A trader mixes 26 kg of rice at Rs.20 per kg with 30 kg of rice of other variety at Rs.36 per kg and sells the mixture at Rs.30 per kg. His profit percent is –

a) No profit, no loss   b)   5%   c)   8%   d)   10%

4

33. There are two examination rooms A and B. If 10 students are sent from A to B, then the number of students in each room is the same. If 20 candidates are sent from B to A, then the number of students in A is double the number of students in B. The number of students in room A is:

a)   20   b) 80   c) 100   d) 200

34   'he salaries of A, B, C are in the ratio 2 : 3 : 5. If the increments of 15%, 10% and 20% are allowed respectively in their salaries, then what will be new ratio of their salaries?

a)   3 : 3 : 10   b) 10 : 11 : 20   c) 23 : 33 : 60   d) cannot be determined

35. Father is aged three times more than his son Ashok. After 88 years, he would be two and a half times of Ashok's age. After further 88 years, how many times would he be of Ashok's age?

v)   4 times   b) 5 times   c)   2 times   d) 3 times

(C) **Choose the correct word(s) from the options Oven to fill in the blanks:**   **(5 x 1= 5 marks)**

36. Only a stable and capable state government can and **policies in the** area of infrastructure, education, health and stimulate growth.

a)   Plan, progress   b) imagine, conduct   c) care, nurture   d) devise, implement

37. The major sticking point of these negotiations would be a sharing of the, with the issue of chief ministership being the most

a) Seats, unwanted   b) positions, undesirable   c) spoils, contentious

d) occupations, uncomplicated

38. Both the boss and the employees are working for a common……… so they must……….. their resources and work together in every aspect of organisational life.

a)   Motive, take   b) purpose, keep   c) ISA goal, pool   d) deal, put

39. The research foundation……....has a centre in Kerala and is……   opening up one in Bangalore.

a)   Can, likely   b) already, trying   c) has, now   d)) already, shortly

40. After engaging in……exercise, it is important to regain nourishment by eating ……meal.

a)   Easy, bad   b) strenuous, hearty   c) hard, scant   d) easy, light

(D) <u>Rearrange the words/phrases so that they form a grammatically correct and meaningful sentence.</u>   (5 xl= 5 marks)

41.   P) appreciate   Q) in life   R) the good things   **S)** you should

     a) PQRS   b) QRSP   c) SQPR   d) SPRQ

42. P) coming with us   Q) is no point   R) there   S) in your

     a) RPQS   b) RQSP   c) QRPS   d) SPRQ

43. P) gets tough   Q) when the going   R) get going   S) the tough

     a) RSQP   b) RSPQ   c) QPSR   d) RQSP

44. P) officially announced Q) news of the budget R) was out S) before it was

     a) PQRS   b) QSRQ   c) QRSP   d) SPRQ

45. P) may be reached between Q) tomorrow R) an agreement S) the government and the union

     a)   RPSQ   b) SQRQ   c) QRPS   d) RSPQ

(E) Choose correct antonyms

                                                                        (5 xl= 5 marks)

46. AFFIRMATIVE

     a) Positive   b) Negative   c) derogatory   d) affiliate

47. AMBIGUTTY

     a) Lucidity   b) Basal   c) Lovable   d) Necessity

48. CONDEMN

     a) Convict   b) Acquit   c) Accuse   d) Enervate

49. ABSURD

     a) Funny   b) Expedient   c) Sensible   d) Gallant

50. CENSURE

     a) Comprehend   b) Reprimand   c) Apprehend   d) Appreciate

PART 'B'

(F) <u>Make meaningful sentences of following words /phrases</u> :   *(5x 2=10 marks)*

i) **Look forward** : _____

ii) **To run from pillar to post** : _____

iii) **Accede to :** _____

iv) **By virtue of** : _____

v) **With immediate effect** :_____

(G) Write a letter to your Bank Manager informing him about missing of your ATM card and requesting him for reissuing the same.   *(10 marks)*

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

Write a letter to the Editor of a newspaper expressing your concern about increasing noise pollution in the city and suggesting for strict implementation of relevant laws by the authorities.

(H) Write an essay in 250 - 300 words on any one of the following :   *(15 marks)*

   (a) Impact of Social Media

   (b) Corruption in India

   (c) Woman Empowerment

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