

BIRLA INDUSTRIAL & TECHNOLOGICAL MUSEUM
(National Council of Science Museums)
KOLKATA-700 019

**Written Test for Recruitment of Office Assistant (Gr. III) at
Bardhaman Science Centre, Bardhaman**

Time: 2 Hours

Total Marks : 100

Name of the Candidate: _____ Roll No: _____

e-mail ID: _____ Mobile No: _____ Signature: _____

PART – A

[Instructions: Tick (✓) the correct answer from the options given below. In case you want to change it put a cross (X) and tick again the chosen one]

(A) There are four suggested answers to each question. Only one of the same is the correct answer. Tick (✓) the correct one

(Question 1 to 20)

(20X1=20 Marks)

1. Look at this series: 2, 1, (1/2), (1/4), What number should come next?
a) 1/3 b) 1/8 c) 2/8 d) 1/16
2. Paw : Cat :: Hoof : ?
a) Lamb b) Elephant c) Horse d) Tiger
3. What is the measure of an exterior angle of a regular polygon of 6 sides?
a) 30 deg b) 40 deg c) 45 deg d) 60 deg
4. Arrange the words given below in a meaningful sequence.
1. Presentation 2. Recommendation 3. Arrival 4. Discussion 5. Introduction
a) 5, 3, 4, 1, 2 b) 3, 5, 4, 2, 1 c) 3, 5, 1, 4, 2 d) 5, 3, 1, 2, 4
5. Today is Monday. After 61 days, it will be
a) Tuesday b) Monday c) Sunday d) Saturday
6. Vineet is taller than Raman but shorter than Jyoti. Sumit is the shortest. Deepak is taller than Sumit but shorter than Raman. Who is the tallest?
a) Jyoti b) Raman c) Vineet d) Deepak
7. A tailor has 37.5 metres of cloth and he has to make 8 pieces out of a metre of cloth. How many pieces can he make out this cloth ?
a) 300 b) 360 c) 400 d) 450
8. $\frac{3}{4}$ divided by 2 is –
a) $\frac{3}{2}$ b) $\frac{2}{3}$ c) $\frac{8}{3}$ d) $\frac{3}{8}$
9. Find the next number in the series 125, 80, 45, 20,
a) 5 b) 15 c) -5 d) 10
10. What will come in place of the question mark (?) in the following questions?
 $22\% \text{ of } ? + 166.64 = 340$
a) 788 b) 786 c) 784 d) 792
11. Find the wrong number in the series.
1, 2, 6, 15, 31, 56, 91
a) 31 b) 15 c) 56 d) 91

12. BCDE : PQRS :: WXYZ : ?
 a) EFGH b) KLMN c) QJSP d) TSUV
13. What will be the next term in -
 BKS, DJT, FIU, HHV, _____
 a) IJX b) IGX c) JGW d) JGU
14. The total age of A and B is 12 years more than the total age of B and C. C is how many years younger than A?
 a) 12 b) 13 c) 14 d) 15
15. In a certain code language COMPUTER is written as RFUVQNPC. How will MEDICINE be written in that code language?
 a) MFEDJJOE b) EOJDEJFM c) MFEJDJOE d) EOJDJEFM
16. If FRIEND is coded as HUMJTK, how is CANDLE written in that code ?
 a) EDRIRL b) DCQHQB c) ESJFME d) DEQJQM
17. A man took loan from a bank at the rate of 12% p.a. simple interest. After 3 years he had to pay Rs.5400 interest only for the period. The principal amount borrowed by him was:
 a) Rs.2000 b) Rs.10,000 c) Rs.15000 d) Rs.20000
18. The sum of the present ages of a father and his son is 60 years. Five years ago, father's age was four times the age of the son. so now the son's age will be:
 a) 5 b) 10 c) 15 d) 20
19. Which word is the odd man out?
 a) trivial b) unimportant c) important d) insignificant
20. Which one will replace the question mark ?
- | | | |
|----|----|----|
| 4 | 7 | 5 |
| 33 | 78 | 46 |
| 8 | ? | 9 |
- a) 12 b) 13 c) 11 d) 10

(B) Question (21) to (35) : (15x2=30 Marks)

There are four suggested answers to each question. Only one of the same is the correct answer. Tick (✓) the correct one

21. An employee may claim Rs. 7.00 for each km when he travels by taxi and Rs. 6.00 for each km if he drives his own car. If in one week he claimed Rs. 595 for traveling 90 km. How many kms did he travel by taxi?
 a) 55 Kms b) 35 Kms c) 25 Kms d) 65 Kms
22. Tarun got 30% concession on the labelled price of an article and sold it for Rs. 8750 with 25% profit on the price he bought. What was the labelled price?
 a) 7000 b) 10000 c) 11000 d) 12000
23. In an election between two candidates, one got 55% of the total valid votes, 20% of the votes were invalid. If the total number of votes was 7500, the number of valid votes that the other candidate got, was:
 a) 2500 b) 2700 c) 2900 d) 3100
24. Two successive discounts of 10% and 25% are given by Raman on a shirt. If the marked price of the shirt is Rs 600, then what is the value (in Rs) of discount?
 a) 135 b) 155 c) 185 d) 195

25. If the simple interest on a sum of money at 5% per annum for 3 years is Rs. 1200, find the compound interest on the same sum for the same period at the same rate.
- a) 1261 b) 1271 c) 1281 d) 1291
26. The population of a town was 3600 three years back. It is 4800 right now. What will be the population three years down the line, if the rate of growth of population has been constant over the years and has been compounding annually?
- a) 6000 b) 6200 c) 6400 d) 6600
27. A rectangular courtyard 3.78 meters long 5.25 meters wide is to be paved exactly with square tiles, all of the same size. What is the largest size of the tile which could be used for the purpose?
- a) 14 cms b) 21 cms c) 42 cms d) None of these
28. The maximum number of students among them 1001 pens and 910 pencils can be distributed in such a way that each student gets the same number of pens and same number of pencils is:
- a) 91 b) 910 c) 1001 d) 1911
29. Cost of 3 cricket balls = cost of 2 pairs of leg pads.
Cost of 3 pairs of leg pads = cost of 2 pairs of gloves.
Cost of 3 pairs of gloves = cost of 2 cricket bats.
If a cricket bat costs Rs 54, what is the cost of a cricket ball?
- a) Rs.12 b) Rs.14 c) Rs.16 d) Rs.18
30. A man buys oranges at Rs 5 a dozen and an equal number at Rs 4 a dozen. He sells them at Rs 5.50 a dozen and makes a profit of Rs 50. How many oranges does he buy?
- a) 30 dozens b) 40 dozens c) 50 dozens d) 60 dozens
31. A shopkeeper sells one-third of his goods at a profit of 10%, another one-third at a profit of 20%, and the rest at a loss of 6%. What is his overall profit percentage?
- a) 6% b) 8% c) 10% d) 12%
32. Rahul went to purchase a Nokia mobile handset, the shopkeeper told him to pay 20% tax if he asked the bill. Rahul manages to get the discount of 5% on the actual sale price of the mobile and he paid the shopkeeper Rs. 3325 without tax. Besides he manages to avoid to pay 20% tax on the already discounted price, what is the amount of discount that he has gotten?
- a) 750 b) 375 c) 875 d) 525
33. A Contractor undertakes to do a piece of work in 40 days. He engages 100 men at the beginning and 100 more after 35 days and completes the work in stipulated time. If he had not engaged the additional men, how many days behind schedule would it be finished?
- a) 3 b) 5 c) 6 d) 9
34. If a person having Rs. 2000 and he want to distribute this to his five children in the manner that each son having Rs. 30 more than the younger one, what will be the share of youngest child?
- a) Rs.175 b) Rs.325 c) 340 d) 260
35. In a queue, Shankar is ninth from the rear end. Althaf's place is eighth from the front. Nitu is standing between the two. What could be the minimum numbers of boys standing in the queue?
- a) 18 b) 14 c) 22 d) 24

(C) In each of the following questions, choose the correct alternative out of the four and Tick (✓) the correct one (5X1= 5 Marks)

36. There are no taxies available because taxi drivers _____ on strike.
- a) went b) go c) have gone d) will go

37. A ____ of Japanese artists stepped off the coach amidst warm welcome.
 a) bank b) gang c) troop d) troupe
38. As he proved inefficient the company ____ him.
 a) evicted b) expelled c) rejected d) ejected
39. India is committed _____ a policy of peaceful existence.
 a) with b) of c) for d) to
40. The father divided the property equally ____ his four sons.
 a) between b) among c) against d) within

(D) In the following questions, out of the given four alternatives, choose the one which is opposite in meaning to the given word. Tick (✓) the correct one (5X1=5 Marks)

41. Deficit -
 a) surplus b) superfluous c) explicit d) implicit
42. Mitigate -
 a) alleviate b) abate c) aggravate d) allay
43. Antique -
 a) boutique b) physique c) obsolete d) new
44. Meticulous -
 a) Forgetful b) Destructive c) Careless d) Flagrant
45. Lackadaisical -
 a) Enthusiastic b) Intelligent c) Classical d) Irresponsible

(E) Some idioms/ proverbs are given below together with their meanings. Choose the correct alternative which best express the meaning of Idiom/Proverb. Tick (✓) the correct one (5X1=5 Marks)

46. To keeps one's temper -
 a) To become hungry b) To be in good mood c) To preserve ones energy d) To be aloof from
47. To end in smoke -
 a) To make completely understand b) To ruin oneself
 c) To excite great applause d) To overcome someone
48. To leave someone in the lurch –
 a) To come to compromise with someone b) Constant source of annoyance to someone
 c) To put someone at ease d) To desert someone in his difficulties
49. To smell a rat –
 a) To see signs of plague epidemic b) To get bad smell of a bad dead rat
 c) To suspect foul dealings d) To be in a bad mood
50. To hit the nail right on the head –
 a) To do the right thing b) To destroy one's reputation
 c) To announce one's fixed views d) To teach someone a lesson

(F) In the following passage, some of the words have been left out. Read the passage carefully and select the correct word for the given blank out of the four alternatives. (5X1 = 5 Marks)

Job performance is 51 by a number of factors. Motivation alone does not lead to increased performance. Ability and technology moderates the relationship between motivation and performance. The higher the levels of ability and motivation the 52 the level of performance will be. However, increasing motivation beyond an 53 level tends to 54 a dysfunctional result because it is 55 by an increased level of anxiety.

51. a) Affected b) Effected c) Influenced d) Measured
52. a) Higher b) Smaller c) Larger d) Lower
53. a) Increased b) Certain c) Desired d) Optimal
54. a) Introduce b) Induce c) Deduce d) Produce
55. a) Accompanied b) Affiliated c) Amalgamated d) Abandoned

(G) Do as directed. Tick (✓) the correct answer (10X1=10 Marks)

56. "One who possesses many talents". One word substitute for the given sentence is...
- a) Exceptional b) Wisdom c) Versatile d) Nubile
57. "Misappropriation of money". One word substitute for the given sentences is...
- a) Abridgement b) Condiment c) Embezzlement d) Bereavement
58. Select the synonym of 'astonish'
- a) mundane b) empress c) calm d) overwhelm
59. Choose the one alternative which best expresses the given sentence in Passive voice.
- To pass, the candidate has to answer at least 3 questions correctly.
- a) If the candidate answers three questions correctly then he will pass.
- b) At least three questions will be answered correctly by the candidate to pass.
- c) At least three questions have to be answered correctly by the candidate to pass.
- d) Answering of three questions correctly by the candidate has to be done to pass.
60. Choose the one alternative which best expresses the given sentence in Passive voice.
- He never forgets to get gifts for me.
- a) Forgetting of gifts for me has never been done by him.
- b) He will never ever forget to get gifts for me.
- c) Forget to get gifts for me is never done by him.
- d) Getting gifts for me is never forgotten by him.
61. Choose the one alternative which best expresses the given sentence in Indirect Speech.
- The boss said to the secretary, "Bring the file that I had given to you yesterday."
- a) The boss told the secretary to bring the file that I had given to her the day before.
- b) The boss told his secretary to bring the file that he gave her yesterday.
- c) The boss told the secretary to bring the file that he had given to her the day before.
- d) The boss had told the secretary to bring the file that he had given to her yesterday.

62. Choose the one alternative which best expresses the same sentence in Indirect Speech.

She said, "I love my grandparents thus I take good care of them."

- a) She says that she loved her grandparents thus she took good care of them.
- b) She said that she loves her grandparents so she took good care of them.
- c) She said that she loves her grandparents thus she took good care of them.
- d) She said that she loved her grandparents so she took good care of them.

Select correct spelt word out of the four alternatives given in each below: Tick (✓) the correct answer

- 63. a) Callibration b) Calibration c) Celibration d) Calibrration
- 64. a) Entrepreneur b) Entreprneur c) Entreprneur d) Entreprenur
- 65. a) Lackadaisical b) Lackadisical c) Lackasaisicle d) Lackdaisical

PART - B

(H) Write a short notes on any 02 (two) of the following.

(2X5=10 Marks)

- (1) The New Education Policy 2020
- (2) Advantages & Disadvantages of online classes
- (3) Impact of social media on youth

(I) Write a letter in about 150 words –

(10 Marks)

Write a letter to the District Magistrate intimating about increasing in COVID-19 positive cases in your locality. Also suggest some measures to improve the situation.

OR

Write a letter to the Municipal Commissioner of your City informing him / her about the advent of increasing crimes and requesting for installing the Surveillance Cameras in your area.

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