REGIONAL SCIENCE CENTRE, GUWAHATI

Written Test for Recruitment of Office Assistant Gr. III

Date :	Duration : 2 Hours
	Max. Marks : 100

Name :_____

Signature of the candidate : _____

Instructions :

a) All questions are compulsory
b) There is no negative marking
c) For questions 'A' to 'I', tick mark the correct options in the question paper
d) For questions 'J' and 'K', use a separate sheet
e) Use backside of the question paper for rough work

A. Select the correct answer :   (20 × 1 = 20)

1. If you write down all the numbers from 1 to 100, then how many times do you write 3 ?

    (a) 11   (b) 18·   (c) 20   (d) 21

2. If Usha is taller than Nisha; Nisha is taller than Asha; Alka is taller than Usha; Harsha is shorter than Asha; then who among them is the tallest ?

    (a) Usha   (b) Alka   (c) Nisha   (d) Asha

3. In the following question, select the word which cannot be formed using the letters of the given word.

    POSSESSION

    (a) SESSION   (b) POSE   (c) POISE   (d) OBOSESS

4. In a certain code language, "TEACHER" is written as "VGCEJGT". How is "STUDENT" written in that code language ?

    (a) UWVFGPV   (b) UWVGFPV   (c) UVWFGPV   (d) UVWFPGV

5. Select the related word from the given alternatives :

    AIDS : VIRUS : : MALARIA : ?

    (a) PROTOZOA   (b) BACTERIA   (c) FUNGI   (d) ALGAE

6. If M is the sister of Z, Z is the wife of P and P is the son of A, how is Z related to A ?

    (a) Mother   (b) Daughter   (c) Wife   (d) Daughter-in-law

7. If A = 1, E = 5, then HEAR = ?

    (a) 38   (b) 32   (c) 31   (d) 30

8. Arrange the following words as per order in the dictionary.

    i. Preposition   ii. Preparatively   iii. Preposterous   iv. Preponderate

    (a) ii, iv, i, iii   (b) i, ii, iv, iii   (c) iv, ii, iii, i   (d) iv, ii, i, iii

9. From the given alternatives, select the word which can be formed using the letters of the given word.

    DETERMINATION

    (a) DECLARATION   (b) TERMINATED   (c) NATIONAL   (d) DEVIATION

10. If DELHI is coded as 0405120809 and MADRAS as 130104180119, then BOMBAY will be coded as –

(a) 021412022012   (b) 211122120320   (c) 021513020125   (d) 210113201215

11. If 'x' means 'addition', '–' means 'division', '÷' means 'subtraction' and '+' means 'multiplication', then which of the following equations is correct ?

(a) $16 + 5 \div 10 \times 4 - 3 = 9$

(b) $16 - 5 \times 10 \div 4 + 3 = 12$

(c) $16 + 5 - 10 \times 4 \div 3 = 9$

(d) $16 \times 5 \div 10 \div 4 - 3 = 19$

12. Select the missing number from the given alternatives.

4	10	6
12	96	48
16	152	?

(a) 110   (b) 124   (c) 112   (d) 104

13. In the following number series, one of the terms is wrong. Find out the wrong term.

1, 4, 10, 33, 95, 291, 864

(a) 33   (b) 95   (c) 291   (d) 864

14. Tarun and Manik are brothers. Palash is Manik's father. Mala is Palash's sister. Tina is Palash's niece. Durga is Mala's granddaughter. How is Tarun related to Durga?

(a) Uncle   (b) Cousin   (c) Brother   (d) Nephew

15. Starting from a point Lalit moves 17 km towards North-West direction and turns to his right for 15 km from there, he turns to his right and moves 17 km. How far and in which direction is he from his starting point?

(a) 15 km, North   (b) 15 km, North-East   (c) 17 km, North-East   (d) 17 km, South

16. In a row of boys, Prabir is 7th from the start and 11th from the end. In another row of boys, Janki is 10th from the start and 12th from the end. How many boys are there in both the rows together?

(a) 36   (b) 37   (c) 39   (d) 38

17. Horses and their owners in the same number were going somewhere. Half of the owners were riding their horses and the remaining were walking on foot with the horses. If the total number of feet of walkers was 70, how many were the horses?

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

18. If the first day of a year is Sunday, what will be the first day of the next year?

(a) Monday   (b) Friday   (c) Saturday   (d) Thursday

19. Out of 100 families in the neighbourhood, 50 have radios, 75 have TVs and 25 have VCRs. Only 10 families have all three and each VCR owner also has a TV. If some families have radio only, how many have only TV?

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

20. Two Statements are given followed by two inferences I and II. You have to consider the statements to be true even if they seem to be at variance from commonly known facts. You are to decide which of the given inferences can definitely be drawn from the given statements.

Statements :
All cupboards are watches.
All watches are costly

Inferences :
I. All cupboards are costly.
II. Some costly things are cupboards.

(a) Only inference I follows   (b) Only inference II follows

(c) Neither of them follows   (d) Both of them follow

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B. Choose the correct answer from the options given below : (20 × 1 ½ = 30)

21. Two trains 165 m and 135 m long run at the speed of 70 km/hr and 38 km/hr respectively in opposite directions on parallel tracks. The time (in seconds) which they take to cross each other is –

    (a) 4 sec. (b) 5 sec. (c) 10 sec. (d) 13 sec.

22. Two trains start from Stations A and B which are 280 km apart towards each other with their speeds in the ratio of 2 : 5. If they meet after 1 hr. 20 min., then what is the different between the speeds?

    (a) 45 km/hr (b) 60 km/hr (c) 75 km/hr (d) 90 km/hr

23. A and B can do a piece of work in 30 days, while B and C can do the same work in 24 days and C and A in 20 days. They all work together for 10 days when B and C leave. How many days more will A take to finish the work?

    (a) 18 days (b) 24 days (c) 30 days (d) 36 days

24. Rahul purchased a second hand mobile phone for Rs.4800/- and spent 20% of the cost on its repairs. If he wants to earn Rs.1440/- as net profit on it, how much percentage should he add to the purchase price of the mobile phone?

    (a) 48 (b) 50 (c) 24 (d) 25

25. In a dairy farm, 40 cows eat 40 bags of husk in 40 days. In how many days one cow will eat one bag of husk?

    (a) 1 (b) 32 (c) 40 (d) 76

26. 2000 soldiers in a fort had enough food for 20 days. But some soldiers were transferred to another fort and the food lasted for 25 days. How many soldiers were transferred?

    (a) 400 (b) 450 (c) 500 (d) 525

27. A water tank is two-fifth full. Pipe A can fill a tank in 10 minutes and pipe B can empty it in 6 minutes. If both the pipes are open, how long will it take to empty or fill the tank completely?

    (a) 6 min. to empty (b) 6 min. to fill (c) 9 min. to empty (d) 9 min. to fill

28. A sum of money placed at compound interest doubles itself in 5 yr. It will amount to 8 times itself at the same rate of interest in –

    (a) 7 yr. (b) 10 yr. (c) 15 yr. (d) 20 yr.

29. A milk vendor has 2 bottles of milk. The first contains 25% water and the rest milk. The second contains 50% water. How much milk should he mix from each of the bottles so as to get 12 litres of milk such that the ratio of water to milk is 3 : 5?

    (a) 4 ltr., 8 ltr. (b) 6 ltr., 6 ltr. (c) 5 ltr., 7 ltr. (d) 7 ltr., 5 ltr.

30. Two varieties of wheat - A and B costing Rs. 9 per kg and Rs. 15 per kg were mixed in the ratio 3 : 7. If 5 kg of the mixture is sold at 25% profit, find the profit made?

    (a) Rs.13.50 (b) Rs.14.50 (c) Rs.15.50 (d) Rs.16.50

31. You arrive at your office 5 min. late if you walk with a speed of 4 km/hr., but you arrive 10 min. before the scheduled time if you walk with a speed of 5 km/hr. The distance of your office from your house is –

    (a) 2 km (b) 4 km (c) 5 km (d) 10 km

32. A man buys a certain number of apples at 20 for Rs.60/- and an equal number at 30 for Rs.60/-. He mixes them and sells them at 25 for Rs.60/-. What is gain or loss per cent?

    (a) 4% Loss (b) 4% Gain (c) 5% Loss (d) Neither gain or loss

33. A tourist spends daily as many rupees as the number of days of his total tour. If his total expenses were Rs.361/-, then how many days did his tour last?

    (a) 17 days (b) 19 days (c) 21 days (d) 31 days

34. A thief steals a car at 1:30 P.M. and drives it off at 40 km/hr. The theft is discovered at 2:00 P.M. and the owner sets off in another car at 50 km/hr. He will overtake the thief at –

    (a) 6:00 P.M. (b) 5:00 P.M. (c) 4:30 P.M. (d) 4:00 P.M.

35. A, B and C invested capitals in the ratio of 4 : 6 : 9. At the end of the business term, they received the profit in the ratio of 2 : 3 : 5. Find the ratio of their time for which they contributed their capitals.

 (a) 1 : 1 : 9 (b) 2 : 2 : 9 (c) 9 : 9 : 10 (d) 10 : 10 : 9

36. Area of a circle is equal to the area of a rectangle having perimeter of 50 cm and the length is more than its breadth by 3 cm. What is the diameter of the circle?

 (a) 7 cm (b) 21 cm (c) 28 cm (d) 14 cm

37. Mita, Gita and Sita begin to jog around a circular stadium. They complete their revolutions in 42 sec., 56 sec., 63 sec. respectively. After how many seconds will they be together at the starting point?

 (a) 366 (b) 252 (c) 504 (d) Couldn't be determined

38. A cricketer played 80 innings and scored an average of 99 runs. His score in the last inning is zero run. To have an average of 100 at the end, his score in the last innings should have been –

 (a) 10 runs (b) 1 run (c) 60 runs (d) 80 runs

39. The average marks of 120 students are 35. If the average of passed students was 39 and failed students was 15, then find the number of students who have passed.

 (a) 80 (b) 100 (c) 120 (d) 140

40. The salary of an employee increases every year in the month of July by 10%. If his salary in May 2000 was Rs.15,000/- his salary in October 2001 was –

 (a) Rs.18,150/- (b) Rs.19,965/- (c) Rs.16,500/- (d) Rs.18,000/-

C. In the following questions, out of the given four alternatives, select the alternative which best expresses the meaning of the Idiom/Phrase. (5 × 1 = 5)

41. To strain every nerve
 (a) to make utmost efforts (b) to feel weak and tired
 (c) to be a diligent worker (d) to be methodical in work

42. To flog a dead horse
 (a) to whip a dead horse (b) attempt to do the possible
 (c) waste one's efforts (d) to take advantage of a weakness

43. To bite the dust
 (a) eat voraciously (b) to fail (c) eat roots (d) have nothing to eat

44. To smell a rat
 (a) to smell foul (b) to see a rat (c) to chase a rat (d) to be suspicious

45. From pillar to post
 (a) go to pillars (b) go to post (c) try one's best (d) go to money lender

D. In the following questions, a part of the sentence is printed in bold. Choose the correct alternative to the bold part which may improve the sentence / best expresses the meaning. (5 × 1 = 5)

46. Leela is **too fond of her own voice**.
 (a) loves singing (b) very selfish
 (c) does not listen properly to anyone else (d) very talkative

47. Ram **left** the hotel before Shyam got there.
 (a) will leave (b) had left (c) leaves (d) No improvement

48. The article should not exceed more than hundred words.

(a) exceed beyond   (b) exceed than   (c) exceed   (d) No improvement

49. Did you finish the work yet ?

(a) Haven't you finished   (b) Had you finished

(c) Would you finish   (d) No improvement

50. If he calls again, I am going to give him a piece of my mind.

(a) to be nice to him   (b) to take revenge on him

(c) to reprimand him   (d) to support him

E. In the following questions, out of the four alternatives, choose the one which can be substituted for the given words / sentences.   (5 ×1 = 5)

51. A person who has no money to pay off his debts

(a) insolvent   (b) poor   (c) destitute   (d) pauper

52. The highest point

(a) height   (b) zeal   (c) zenith   (d) ridge

53. Something kept as a reminder of an event.

(a) trophy   (b) souvenir   (c) prize   (d) antique

54. That which is certain to happen

(a) invincible   (b) incorrigible   (c) immediate   (d) inevitable

55. Failing to discharge one's duty

(a) debacle   (b) dereliction   (c) determination   (d) deterrent

F. In the following questions, choose the word which completes each sentence logically.   (4×1 = 4)

56. The lady _____ to be a close relative of ours.

(a) turned out   (b) turned in   (c) turned up   (d) turned about

57. There was an _____ response for the marathon.

(a) extreme   (b) overriding   (c) excessive   (d) overwhelming

58. Rabin must have the _____ to stick to his diet, if he wants to lose weight.

(a) obstinacy   (b) determination   (c) decision   (d) obligation

59. Raju willingly _____ my request for financial assistance.

(a) complied to   (b) complied on   (c) complied with   (d) complied for

G. In the following questions, out of the given four alternatives, select the one which is opposite in meaning of the given word.   (4 ×1 = 4)

60. Consensus

(a) accept   (b) opinion   (c) disagreement   (d) permission

61. Deviate

(a) attract   (b) concentrate   (c) continue   (d) attend

62. Abrupt

(a) smooth   (b) crisp   (c) spongy   (d) sudden

63. Vulnerable

(a) sensitive   (b) liable   (c) weak   (d) secure

H. In the following questions, out of the given four alternatives, select the one which best expresses the meaning of the given word.   (4 ×1 = 4)

64. Adversity

(a) Misery   (b) Spirituality   (c) Familiarity   (d) Seniority

65. Segregate

(a) Disconnect   (b) Seclude   (c) Disunite   (d) Separate

66. Inevitable

(a) optional   (b) necessary   (c) countable   (d) enviable

67. Aversion

(a) aggression   (b) assertion   (c) dislike   (d) impudence

I. Do as directed.   (3 ×1 = 3)

68. Change the voice of the given sentence and select the correct option.

One should keep one's promise.

(a) One's promise should be kept by us.   (b) One's promise has to be kept.

(c) A promise should be keeping.   (d) A promise should be kept.

69. Change the narration of the given sentence and select the correct option.

Amrita advised me to go and see a doctor.
(a) Amrita told me "Go and see the doctor"
(b) "You should go and see a doctor" said Amrita.
(c) Amrita asked me "Will you go and see a doctor?"
(d) "Shouldn't you go and see a doctor?" asked Amrita.

70. From the given alternatives, select the correctly spelt word.

(a) Rennassance   (b) Renaissance   (c) Rennaiscence   (d) Rennaissance

J. Write a short essay (in about 150 words) on any one of the following topics: (10 marks)

    (a)   Atmanirbhar Bharat

    (b)   Addiction of Social Media

    (c)   E-Learning – The Future of Education System

K.   (a)   An NGO working for welfare of street children wants to take a group of 100 street children to visit Zoo in your locality. Write a letter on behalf of NGO to the Director of Zoo requesting for allowing Free Entry.

                                                               (10 marks)

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

    (b)   Write a letter to the Health Officer of your Municipality requesting for arranging a special vaccination drive for controlling spread of Covid'19 pandemic.

                                                               (10 marks)