NAB Competition 2021- II - 4th

National Analytical Brains Competition 2021-II- 4th

* Required

1. Name *

   _____

2. Registration ID *

   _____

3. Contact Number (registered one) *

   _____

Mathematical Ability

> All question are mandatory. Please note there is no negative marking:

4. 1. The soccer match started at 2:30 pm. Each half was of 45 minutes. At what time did the first half end?

   Mark only one oval.

   ( ) 3:10 pm

   ( ) 3:15 pm

   ( ) 3:15 am

   ( ) 3:25 pm

5. 2. If apples cost is ₹ 105 for 5 kg and Mangoes cost is ₹ 140 per 7 kg, then which one is cheaper?

Mark only one oval.

⬭ Mangoes

⬭ Apples

⬭ Can't say

⬭ Both are of Equal Cost

6. 3. What is the time by the watch?

Mark only one oval.

⬭ 35 minutes past 8

⬭ 35 minutes past 9

⬭ 7:40

⬭ None of these

7. 4. Monu has a wonderful machine if you put any number in it, machine firstly divide the number by 3 and subtract by 2 and finally add 3. If I put 18 then what is the result?

Mark only one oval.

⬭ 7

⬭ 6

⬭ 18

⬭ None of these

8.   5. If the cost of 7 notebooks is ₹ 1435 then what is the cost of 3 notebooks?

Mark only one oval.

   ⬭ ₹205

   ⬭ ₹715

   ⬭ ₹615

   ⬭ ₹4305

9.   6. If 3601 chairs are arranged in 4 rows ,how many chairs are in one row and how many chairs are left?

Mark only one oval.

   ⬭ 90, 1

   ⬭ 900, 1

   ⬭ 900, 0

   ⬭ 901, 3

10.   7. Find the number which when divided by 4 gives 1 as remainder and 601 as the quotient?

Mark only one oval.

   ⬭ 2405

   ⬭ 151

   ⬭ 33

   ⬭ 605

11. 8. The school holiday starts after nine weeks. School opens 5 days a week. How many school days are left until the holiday?

Mark only one oval.

- ⬭ 63
- ⬭ 54
- ⬭ 72
- ⬭ 45

12. 9. At a restaurant, Lokesh bought 2 burgers, 2 cake slices, and 1 cold drink. The burgers cost ₹ 30 each, the cake slices cost ₹ 11.50 a piece, and the cold drink cost ₹32.00. How much he paid in total?

Mark only one oval.

- ⬭ ₹114
- ⬭ ₹84
- ⬭ ₹115
- ⬭ None of these

13. 10. Amit got 24 marks out of 25 in math, 19 marks out of 25 in English and 23 marks out of 25 in science. What was his score in all three subjects altogether?

Mark only one oval.

- ⬭ 67
- ⬭ 63
- ⬭ 66
- ⬭ 75

14. 11. What is the difference between the place value of 3 and 5 in the number 3457?

Mark only one oval.

◯ 250

◯ 2950

◯ 2

◯ 2905

15. 12. A painter takes ₹ 25 per hour to paint a house. In the end he took a total of ₹1200. Find the number of hours he worked.

Mark only one oval.

◯ 48

◯ 40

◯ 46

◯ None of these

16. 13. The price of a CD player is thirty-nine rupees and five paisa. What is the price of the CD player written as a numeral?

Mark only one oval.

◯ ₹3.95

◯ ₹39.05

◯ ₹39.5

◯ ₹39.50

17.   14. Which sentence is true?

Mark only one oval.

- 163,406 < 163,511
- 15,321 > 15,325
- 7800 = 780
- 907 > 970

18.   15. The fact family below is missing a fact.

$$5 \times 8 = 40$$
$$8 \times 5 = 40$$
$$40 \div 5 = 8$$
$$\underline{\hspace{1cm} ? \hspace{1cm}}$$

Mark only one oval.

- $40 \div 8 = 5$
- $40 \div 4 = 10$
- $40 - 8 = 32$
- $40 + 5 = 45$

19.   16. Jaya cooked one dozen eggs for herself and 3 other family members. If they shared the eggs equally, how many eggs did each person get? (1 Dozen = 12)

Mark only one oval.

- 3
- 4
- 7
- 12

20.   17. The capacity of a pot is 8 L 830 ml. The capacity of another pot is 7 L 670 ml. Find the difference between the capacities of the two pots.

Mark only one oval.

◯ 1 L 160 ml

◯ 2 L 166 ml

◯ 3 L 244 ml

◯ 5 L 160 ml

21.   18. Fill in the blank with right sign:

XXIV _____ 26

Mark only one oval.

◯ =

◯ <

◯ >

◯ None of these

22.   19. Smallest six digit number that can be formed using 7, 2,6,0,4,1 is _____

Mark only one oval.

◯ 210647

◯ 102647

◯ 104267

◯ 102467

23.   20. The difference of 3 digits largest and 2 digits smallest number is

Mark only one oval.
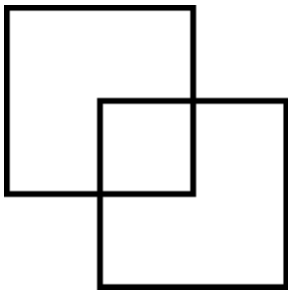
◯ 990

◯ 709

◯ 900

◯ 989

Logical Reasoning Ability

All question are mandatory. Please note there is no negative marking:

24.   21. How many squares are there in the below figure:

Mark only one oval.

◯ 0

◯ 2

◯ 4

◯ 3

25.   22. Find the odd one out:

A   B   C   D

Mark only one oval.

- A
- B
- C
- D

26.   23. Which one of the following is the water image of the given figure?

A   B   C   D

Mark only one oval.

- A
- B
- C
- D

27.   24. "CAT" as coded as "DBU" then "DOG" is coded as _____

Mark only one oval.

◯ ENF

◯ EPF

◯ EPH

◯ CPH

28.   25. Arrange the given words as they occur in the dictionary

1. **SLIPPERS**
2. **SANDALS**
3. **GLOVES**
4. **SHOES**

Mark only one oval.

◯ 3,1,2,4

◯ 2,1,3,4

◯ 3,2,4,1

◯ 3,1,4,2

29.   26. If "HAT" is termed as "CHAIR", a "CHAIR" is termed as an "BED", an "BED" is termed as "CAR", and a "CAR" is termed as "CYCLE". Where do you sleep?

Mark only one oval.

◯ HAT

◯ CHAIR

◯ CAR

◯ CYCLE

30.   27. Cost of a TOY CAR is ₹94. Out of the below four sets of money, from which you will be able to buy it.
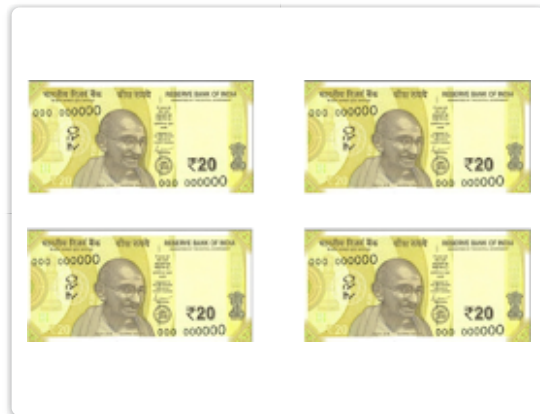
Mark only one oval.

◯ Option 1   ◯ Option 2

◯ Option 3   ◯ Option 4

31.   28. What replaces the question mark (?)
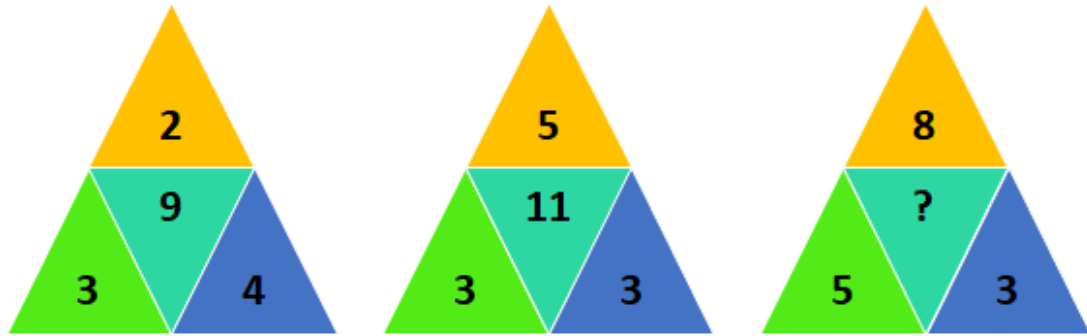
A, C, E, G, I, ?

Mark only one oval.

◯ J

◯ K

◯ L

◯ M

32.   29. Find the missing number in the given pattern.

Mark only one oval.

- [ ] 12
- [ ] 15
- [ ] 16
- [ ] 13

33.   30. Out of the below five words , four are alike in some manner and one is different . Find the different one:

Mark only one oval.

- [ ] Tomato
- [ ] Potato
- [ ] cabbage
- [ ] Carrot
- [ ] Apple

34.   31. Which one of the following is the mirror image of the given word?

GLASS

22A⅃Ɔ   Ɛ⅃∀22   SS∀⅃Ɔ   GLASS

    A   B   C   D

Mark only one oval.

- A
- B
- C
- D

35.   32. Choose the correct option to complete the following series:

3   **7**   **11**   **.......**   **19**

Mark only one oval.

- 16
- 14
- 15
- 13
- None of these

36.   33. How many 50 paisa coins make ₹ 8?

Mark only one oval.

- 8
- 100
- 50
- 16

37.   34. Tanvi used a rule to make a number pattern. Her rule is to multiply by 2.
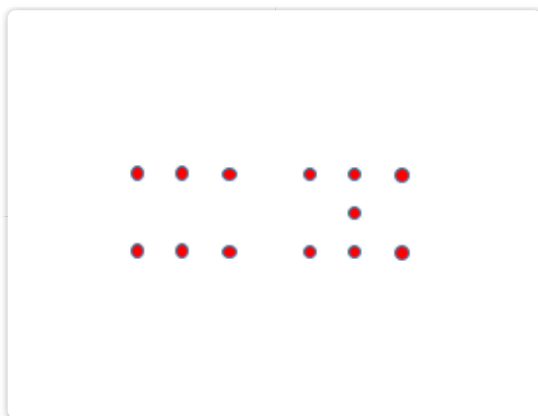   Which number pattern follows Tanvi's rule?

Mark only one oval.

    ◯ 4, 6, 9, 10, 12

    ◯ 2, 4, 8, 16, 32

    ◯ 5, 7, 9, 11, 13

    ◯ 1, 3, 6, 9, 12

38.   35 The pattern shown below shows an increasing number of dots.

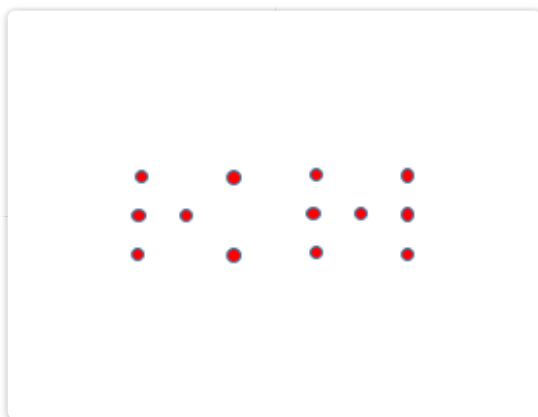**If the pattern continues, what would be the next two figures?**
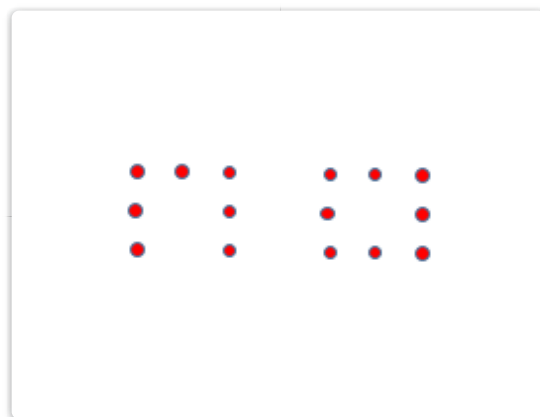
Mark only one oval.

◯ A

◯ B

◯ C

◯ D

39.   36. How many lines are there in the below figure:

Mark only one oval.

○ 8

○ 5

○ 6

○ 7

○ None of These

40.   37. The code for some letters are shown below:

Letters	L	R	Z	V	U	C	S	O	E
Codes	>	✕	%	<	?	+	@	=	⊖

Find the code for "CLOSE"

Mark only one oval.

A

B

C

D

41.   38. Replace the question mark with the correct option:

20   16   12   ?   4

Mark only one oval.

- 10
- 20
- 18
- 8

42.   39. Which group of numbers does not fit into the given series?

321   876   234   654

Mark only one oval.

- 321
- 876
- 234
- 654

43.   40. Find the odd one out:

A   B   C   D

Mark only one oval.

- A
- B
- C
- D

Questions   Devik is a grade 4 student. He usually wakes up at 6:00 AM to get ready for
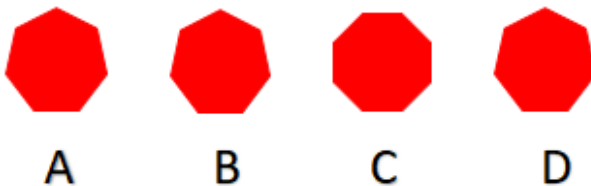
from 41 to 50 are interrelated:

school. School bus usually comes at 7:35. Before Devik, bus picks up 20 students and 15 students after he gets into the bus. Bus reaches school at 8:15 AM. But on Friday Devik got sick and could not go to school.

44.   Q 41: How many students usually go in Devik's Bus?

Mark only one oval.

( ) 20

( ) 15

( ) 35

( ) 36

45.   Q 42: How much time does Devik get to get ready for School?

Mark only one oval.

( ) 35 minutes

( ) 1 hour 35 minutes

( ) 6 hours

( ) 7 hours 35 minutes

46.   Q 43: Devik reaches home at 2:35 PM. After how much time he comes back to home?

Mark only one oval.

( ) 8 hours

( ) 7 hours

( ) 6 hours

( ) 2 hours 15 minutes

47.   Q 44: On Friday how many kids were in the bus.

Mark only one oval.

    ◯ 20

    ◯ 24

    ◯ 35

    ◯ 36

48.   Q 45: As Devik was sick on Friday , he got up one hour late. At time what time he woke up on Friday:

Mark only one oval.

    ◯ 6:00 AM

    ◯ 6:00 PM

    ◯ 7:00 AM

    ◯ 7:00 PM

49.   Q 46: He had some pain killers at home for his headache and fever. There were 36 tablets in the bottle and he was supposed to take 2 tablets at a time, 4 times a day. How many tablets were left after one day?

Mark only one oval.

    ◯ 34

    ◯ 30

    ◯ 32

    ◯ 28

50. Q 47: Devik went to the doctor. There were 8 patients waiting. The nurse told him that his turn will come after 2 hours. How many minutes would the doctor use to see each patient?

Mark only one oval.

- ◯ 60
- ◯ 30
- ◯ 15
- ◯ 120

51. Q 48: Doctor charged him ₹300 as consultation fees and he bought medicine of ₹175. He had ₹500 with him. How much money he will be left with.

Mark only one oval.

- ◯ ₹325
- ◯ ₹200
- ◯ ₹475
- ◯ ₹25

52. Q 49 Coming back to home, he looked for a conveyance to go home. Which option should he choose?

Mark only one oval.

- ◯ E- Rickshaw - ₹28
- ◯ Auto - ₹45
- ◯ Cab - ₹ 62
- ◯ Bus - ₹15

53.   Q 50: In total how much money he spent.

Mark only one oval.

◯ ₹ 300

◯ ₹ 475

◯ ₹ 500

◯ ₹ 490

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