CREST Reasoning Olympiad (CRO)

Previous Year Paper

Class 5 (Set - A)

Time Allowed: 1 hour   **Maximum Marks: 60**

- Additional **10 minutes** will be allotted to fill up information on the OMR Sheet, before the start of the exam.
- Fill in all the mandatory fields clearly on the OMR Sheet.
- There are a total of **50 questions** in this booklet comprising **2 sections** namely the **Logical Reasoning & Achievers' Section** consisting of **40 questions (1 mark each) & 10 questions (2 marks each)** respectively.
- There is no negative marking. The use of a calculator is not permitted.
- There is **only ONE correct option** to a given question.
- Use **HB Pencil / Ball point pen (Blue / Black) only** for marking the correct choice of answers on the OMR Sheet.
- Rough work is to be done in the space provided in the test booklet. Extra plain sheet may be provided by the school for the rough work.
- The OMR Sheet is to be handed over to the invigilator at the end of the exam.
- No candidate is allowed to carry any textual material, printed or written, bits of paper, any electronic device, digital watches, etc. inside the examination hall.
- The use of unfair means may result in the cancellation of the exam. Any such instances must be reported at **+91-98182-94134** or **info@crestolympiads.com**

DO NOT OPEN THIS BOOKLET UNTIL ASKED TO DO SO

FILL IN THE DETAILS

Candidate Name: _____

Class: _____ Section: _____

CREST ID: _____

Logical Reasoning (Each Question is 1 Mark)

1. Three words are given in the following question, which has something in common among themselves. Out of four given alternatives, choose the most appropriate description about these three words:
   Crocodile : Whale : Hippopotamus

   a. They are mammals.
   b. They are domestic animals.
   c. They are land animals.
   d. They are water animals.

2. In the following question, there is a certain relationship between two given words on one side of (::). Find the word on the other side so that the second pair has the similar relationship with the first pair.

   Aluminium : Bauxite : : Iron : ?

   a. Pyrite   b. Magnesite
   c. Pynolosite   d. Hematite

3. In the following question, two words are given which are related to each other in a particular manner and you have to find the word from the given alternatives which bears exactly same relationship to the third word, as the first two bear:
   'Boat' is related to 'Oar' in the same way as 'Bicycle' is related to:

   a. Road   b. Wheel
   c. Seat   d. Paddle

4. Three words are given in the following question, which has something in common among themselves. Choose the one with the quality common to the given three words:
   Chair : Table : Stool

   a. School   b. Office
   c. Company   d. Furniture

5. Three words are given in the following question, which have something in common among themselves. Out of four given alternatives, choose the most appropriate description about these three words:
   Lion : Tiger : Bear

   a. Child   b. Fawn
   c. Cub   d. Foal

6. Find out the relationship among following given words and choose another group with similar relationship from the options provided:

   Music : Guitar : Performer

   a. Trick : Rope : Acrobat
   b. Dance : Tune : Instrument
   c. Food : Recipe : Cook
   d. Patient : Medicine : Doctor

7. In the following question, there is a certain relationship between the two given numbers on one side of (: :) and one number is given on another side of (: :) where another number is to be found from the given alternatives, having the same relationship with this number as the numbers of the given pair. Choose the best alternatives:

   1234 : 10 : : 6789 :?

   a. 10   b. 30
   c. 40   d. 50

8. In the following question, certain pairs of words are given. Out of which, the words in all pairs, except one, bear a certain common relationship. Choose the odd pair:

   a. Oil : Lamp
   b. Water : Tap
   c. Oxygen : Life

d. Power : Machine

9. In the following question, certain pairs of words are given. Out of which, the words in all pairs, except one, bear a certain common relationship. Choose the odd pair:

a. Petrol : Car
b. Electricity : Television
c. Ink : Pen
d. Dust : Vacuum Cleaner

10. In the following question, certain pairs of words are given. Out of which, the words in all pairs, except one, bear a certain common relationship. Choose the odd pair:

a. Principal : School
b. Soldier : Barrack
c. Artist : Troupe
d. Singer : Chorous

11. If the 1st half of the English alphabet is written in the backward order, then find the 15th letter to the left of 20th letter from left:

a. H   b. I
c. Y   d. X

12. How many meaningful English words can be formed with the letters LAME, using each letter only once in each word?

a. None   b. One
c. Two   d. Three

13. Study the following arrangement carefully and answer the question:
C E B A C D B C D A C E B E D C A B A D A C E D U B A U E D B U
Which of the following is the ninth to the right of the twenty-second from the right end of the given arrangement?

a. D   b. E
c. B   d. C

14. Read the following information carefully to answer the given question:
In a certain code language, 461 means 'where are you', 169 means 'you are good' and 8652 means 'flowers are not bad'. How will 'are you where' be written in the coded language?

a. 614   b. 163
c. 618   d. 168

15. Each of named as 5, J, K, L, M and N have different heights. M is only shorter than J.K is not as tall as N and N is shorter than L. Who is the shortest of them?

a. J   b. N
c. K   d. L

16. In the following question, choose the correct mirror image from the alternatives, when mirror is placed on the line AB:

17. Examine carefully the following statements and answer the three items that follow:
Out of four friends, Justin, Bob, Cathy and David.
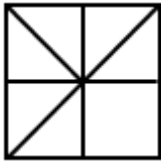
I. Justin and Bob play football and cricket.
II. Bob and Cathy play cricket and hockey.

III. Justin and David play basketball and football.
IV. Cathy and David play hockey and basketball.

Who does not play hockey?

a. David   b. Cathy
c. Bob   d. Justin

18. How many triangles are there in the following figure?

a. 8   b. 10
c. 12   d. 11

19. In the following question, find the answer figure in which question figure is embedded:

20. How many edges are invisible in a cube?

a. 5   b. 4
c. 2   d. 3

21. Read the following information carefully to answer the question that follow:

A cube of 3 cm side is divided into smaller cubes of side 1 cm.
Find the total number of smaller cubes:

a. 3   b. 9
c. 27   d. 81

22. Select the related number pair from the given alternatives:
18 : 81 :: 72 : ?

a. 526   b. 27
c. 23   d. 19

23. Select the related word pair from the given alternatives:
COFFEE : BEANS

a. CAFFINE : DRINK
b. TEA : LEAVES
c. MILK : HONEY
d. TREE : WOOD

24. Which of the following words cannot be formed by using the letters of the word - "MISREAD"?

a. Spear   b. Dreams
c. Side   d. Ride

25. Which of the following will be the correct water image of the given figure?

26. Select the related word from the given alternatives:
Litre : Volume :: Pound : ?

   a. Dollar   b. Alarm
   c. Quantity   d. Weight

27. Select the missing number in the following series:
11, 17, 23, 29, 35, ?

   a. 46   b. 41
   c. 43   d. 42

28. In a certain code language, "GARDEN" written as "105268", "GRASS" is written as "15033". Then "SEND" will be written as:

   a. 3082   b. 3620
   c. 3680   d. 3682

29. Which of the following words can be formed by using the letters of the word - "FOREMAN"?

   a. Acid   b. Four
   c. Near   d. Forge

30. Find the next term of the following series:
K, N, Q, T, ?

   a. V   b. W
   c. U   d. X

31. How many quadrilaterals are there in the given figure?

   a. 1   b. 2
   c. 3   d. More than 3

32. Which of the following will be the correct mirror image of the given figure, when the mirror is placed vertically to the right?

   a.   b.
   c.   d.

33. In a certain code language, "STARE" written as "72465", "PRAY" is written as "3641". Then "TAPE" will be written as:

   a. 2365   b. 2435
   c. 3725   d. 7415

34. Which of the following will be the correct mirror image of the given figure, when the mirror is placed vertically to the right?
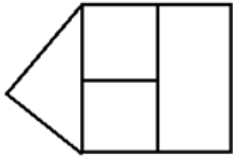

   a.   b.
   c.   d.

35. In a certain code, FOURTY is written as 12, FIVE is written as 8. Then how will THREE be written in that code?

   a. 4   b. 6
   c. 7   d. 10

36. In a certain code, "Car" represents a tree, "Tree" represents wood, "Wood" represents water, "Water" represents fire. Then according to the same code, where do fishes live?

   a. Tree   b. Water
   c. Fire   d. Wood

37. How many quadrilaterals are there in the given figure?
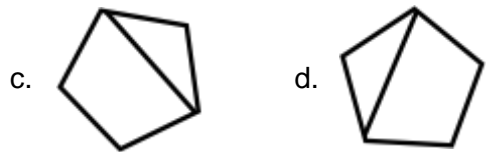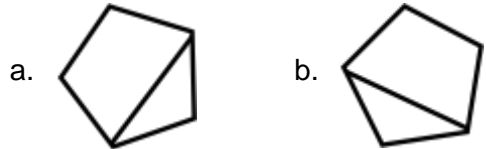
a. 3
c. 5

b. 4
d. 6

38. Which of the following words can be formed by using the letters of the word - "AEROBICS"?

a. Cobra
c. Road

b. Spear
d. Brick

39. In a certain coded language, "LOUD" written as "5273", "CLEAN" is written as "45216". Then "COOL" will be written as:

a. 4225
c. 2774

b. 5774
d. 3225

40. Which of the following will be the next figure of the following series?

a.
b.
c.
d.

Achievers' Section (Each Question is 2 Marks)

41. Point Q is to the west of point P. Point P is to the north of point T. Point R is to the east of point P. Point U is to the south of point Q. Distance between point Q and U is twice the distance between point P and T. Point P is equidistant from point T, R and Q. In which direction is point U with respect to point T?

a. North-East
b. South-East
c. South-West
d. Cannot be determined

42. Five persons viz. A, B, C, D and E are sitting in row facing towards north but not necessarily in the same order.
A sits second to the left of D.
Only one person sits between A and E.
E and C are not immediate neighbours.

Who sits second to the right of B?

a. A
c. C

b. D
d. E

43. Five persons viz. Tom, Jerry, Mickey, Daffy and Goofy are living on five different floors of the same building. The bottommost floor is numbered as first, the floor above it as second and so on till the topmost floor which is numbered as fifth.
Two persons are living between Tom and Goofy.
Goofy lives below Tom.
Only one person is living between Daffy and Mickey.
Daffy does not live on the third floor.
Jerry does not live on fourth floor.

Who among the following lives on second floor?

a. Tom
c. Daffy

b. Jerry
d. Goofy

44. How many quadrilaterals are there in the given figure?

a. 2   b. 4

c. 3   d. 5

45. A clock is kept horizontally on a table in such a way that at 11 PM, it hour's hand was pointing towards North. In which direction will the hour's hand be pointing at 5 AM?

a. East   b. South-East

c. West   d. South

46. George is standing 3 meters towards the north of Rebecca. Bob is standing 6 meters towards the east of George. Sara is standing 12 meters to the east of Rebecca. Molly is standing 3 meters to the north of Sara. In which direction is Molly standing with respect to Bob?

a. West

b. North-East

c. East

d. Cannot be determined

47. Point Q is 6 meters to the east of point P. Point S is 3 meters to the south of point P. Point S is 3 meters to the west of point R. In which direction is point Q with respect to point R?

a. North-West

b. North

c. North-East

d. Cannot be determined

48. Select the next term of the following series:
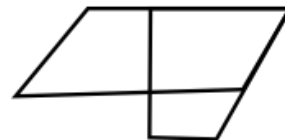
X, T, P, L, ?

a. J   b. G

c. H   d. F

49. Five books viz. Science, English, Maths, Hindi and G.K. are kept in a column, one above the other.

One book is kept between Hindi and English.
One book is kept between English and G.K.
G.K. book is not kept at the top.
Hindi book is not kept immediately above Maths.

How many books are kept below Science?

a. One   b. Two

c. Three   d. Four

50. How many quadrilaterals are there in the given figure?

a. 6   b. 5

c. 4   d. 7

Answer Key

1.	d	2.	d	3.	d	4.	d	5.	c	6.	a	7.	b
8.	b	9.	d	10.	a	11.	b	12.	d	13.	a	14.	a
15.	c	16.	c	17.	d	18.	b	19.	c	20.	d	21.	c
22.	b	23.	b	24.	a	25.	c	26.	d	27.	b	28.	d
29.	c	30.	b	31.	b	32.	c	33.	b	34.	d	35.	d
36.	d	37.	c	38.	a	39.	a	40.	a	41.	c	42.	c
43.	b	44.	c	45.	d	46.	c	47.	c	48.	c	49.	c
50.	b												