Sample Paper

Class 5

Unicus Critical Thinking Olympiad (UCTO)

| Section	Total Questions	Marks per Questions	Total Marks
Classic Section	30	1	30
Scholar Section	10	2	20
Grand Total	**40**		**50**

Classic Section (Each Question is 1 Mark)

1. Some numbers are written on the stickers and they are related to each other in a certain way. Find the number which will be on the last sticker following the same pattern as the first two follow:
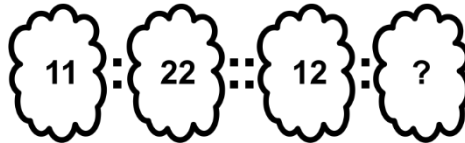
   a. 6
   b. 20
   c. 24
   d. 32

2. A child corelates the numbers on the tambola coins with each other as shown below. Find the number on the last coin that will be related to third coin in the same way as the first two are related:
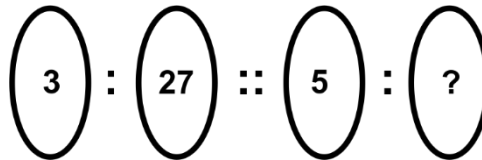
   a. 90
   b. 100
   c. 120
   d. 125
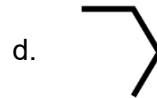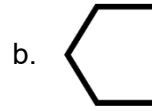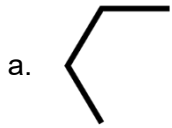
3. Choose the figure that does not belong to the group:

   a.

   b.

   c.

   d.

4. Find the number which is different from others:

   a. 182
   b. 722
   c. 236
   d. 345

5. In the following figure, a pattern is followed. Find the next figure which will continue the series:

a.

b.

c.

d.

6. What number will come on the last bag?

20   19   17   ?

a. 11   b. 13
c. 14   d. 15

7. What comes next in the given sequence?

?

a.

b.

c.

d.
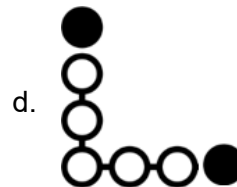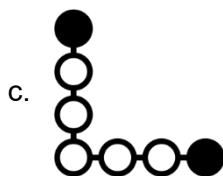
8. Choose the category of the given word so formed when the letters are arranged:
   LSDREOUH

   a. Body part   b. Cloth
   c. Fruit   d. Flower

9. A cardboard has 16 square blocks. Some points are marked on it. Which point is in the North-West direction of point A (Please note that Point O is in the South)?
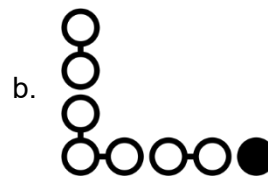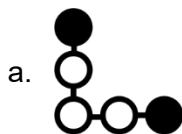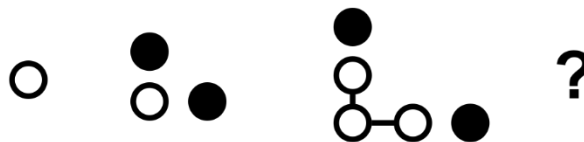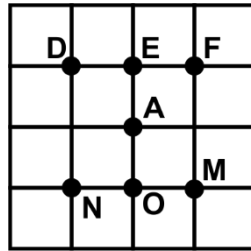

a. D

b. N

c. F

d. O

10. In the following question, find out the correct pair of words which will make an appropriate analogical relationship between the two words to the left of the sign of double colon and the same relationship between the two words to the right of the sign of (::) double colon:

Count : List :: ? : Weight

a. Compare

b. Sequence

c. Number

d. Measure

11. In the following question, three alternatives are the same in a certain way out of four and so form a group. Find the one that does not belong to this group:

a. Bus

b. Scooter

c. Cycle

d. Boat

12. 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. Ice cube : Cold

b. Iron : Hard

c. Marble : Smooth

d. Purse : Money

13. If 4th Saturday of a month was 22nd day, then what was the 13th day of that month?

a. Tuesday

b. Wednesday

c. Thursday

d. Friday

14. A cube of 3 cm side is divided into smaller cubes of side 1 cm. In how many parts will each edge(side) of the bigger cube be divided?

a. 1

b. 2

c. 3

d. 4

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15. How many triangles are there in the given figure?
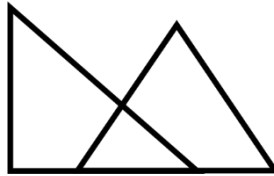
a. 1   b. 2

c. 3   d. 4

16. Which of the following sequence of letters can be used to represent the given pattern?

a. GBGBBG   b. GBBGBB

c. BGGBGG   d. GBGGBB

17. How many rectangles are there in the given figure?
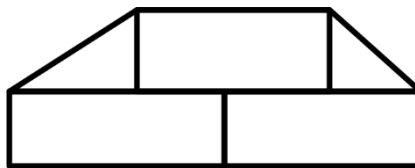
a. 2   b. 4

c. 3   d. 1

18. Select the missing figure in the following series:
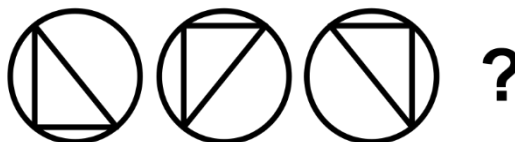
a.   b.

c.   d.

19. Which of the following set of letters can be rearranged to form the word "INFORMED"?

a. DORFIMN   b. FOIRMDEN

c. EMNOFED   d. FREMOND

20. Which of the following sets of alphabets are embedded in the following figure?

a. TP

b. LT

c. UM

d. NL

21. Find the next letter of the following series:
D E G J N ?

a. R

b. S

c. T

d. Q

22. There are four friends A, B, C and D. A is taller than C and D. Less than three friends are shorter than A. C is not the shortest. Who among them is the tallest?

a. C

b. B

c. A

d. Cannot be determined

23. Find the next letter in the following series:
G J M P ?

a. Q

b. R

c. S

d. T

24. Which of the following options most closely resembles the mirror image of the given figure, if the mirror is placed vertically to the right?

a.

b.

c.

d.

25. Point A lies midway between point C and B. Point C is to the west of point A. In which direction is point B with respect to point C?

    a. West
    c. North

    b. East
    d. South

26. If 2nd August was Sunday, then how many Sundays will be there in the month of August?

    a. 5
    c. 6

    b. 4
    d. Cannot be determined

27. Which of the following represents the correct water image of the given image?

a.

b.

c.

d.

28. In a certain coded language, "MALE" is written as "9716", "FAIL" is written as "4751". Then "FEMALE" will be written as:

    a. 469782
    c. 469716

    b. 694534
    d. 498681

29. Tom was born after Monday but before Thursday. He was not born on Tuesday. On which of the following day was he born?

    a. Sunday
   c. Wednesday

    b. Monday
    d. Cannot be determined

30. If in a certain language, MIRACLE is coded as NKUEHRL, then how is GAMBLE coded in that language?

    a. JDOCMF
    c. HCPFQK

    b. CLEMNK
    d. AELGMN

Scholar Section (Each Question is 2 Marks)

31. Bells hanging in a temple have some digits depicted on it. They are hanging in an order and the digits on the third bell is missing. Find the missing digit:
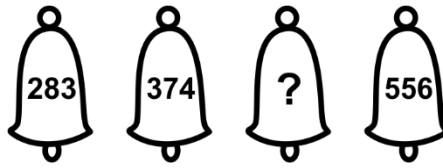
a. 346
b. 245
c. 456
d. 465

32. Answer the question based on the series of letters given below.
UEILCFPAKMBGDOHQJRNSVXZTYW

The total number of words which can be formed with second, eighth, eighteenth, twentieth, and twenty-fourth letters in the given series are:

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

33. Sam is taller than Nami and shorter than Lim only. Nami is not the shortest. Lim is taller than Kian. Who is the shortest?

a. Kian
b. Nami
c. Sam
d. Lim

34. In the following question, find out the correct pair of words which will make an appropriate analogical relationship between the two words to the left of the sign of double colon and the same relationship between the two words to the right of the sign of (::) double colon:

A : Roots :: House : B

a. A. Branches, B. Walls
b. A. Flower, B. Walls
c. A. Trunk, B. Floor
d. A. Tree, B. Foundation

35. If 'green' is called 'black', 'black' is called 'blue', 'blue' is called 'red', 'red' is called 'white' and 'white' is called 'orange', then what is the colour of blood?

a. Red
b. Black
c. Green
d. White

36. If 15th June falls on 3 days after tomorrow which is Friday, then what day of the week will fall on the last date of the month?

   a. Monday
   c. Wednesday

   b. Tuesday
   d. Thursday

37. Which of the following most closely resembles the mirror image of the given word, if the mirror is placed vertically to the right?

   a.
   b.

   c. **CYNAD**
   d.

38. Which of the following will be the correct mirror image of the given figure?
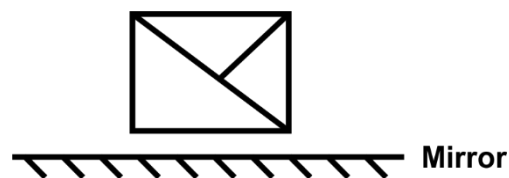
   a.
   b.

   c.
   d.

39. In a certain coded language, "SCREEN" is written as "RCSNEE", "ANSWER" is written as "SNAREW". Then "LIVING" will be written as:

   a. VINGLI
   c. VILGNI

   b. GNIVIL
   d. GNILIV

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40. Kate goes 30 metres North, then turns right and walks 40 metres, then again turns right and walks 20 metres, then again turns right and walks 40 metres. How many metres is he from his original position?

a. 0

b. 10

c. 20

d. 40

Answer Key

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