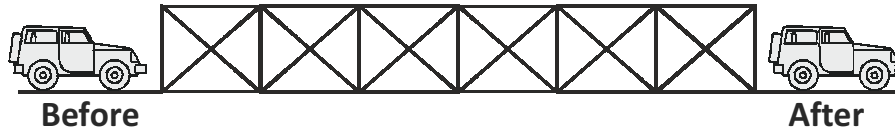


UIMO SAMPLE QUESTIONS

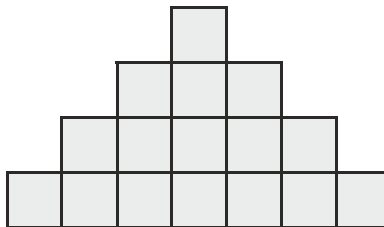
CLASS - 03

MATHEMATICS

01. If today is Thursday, what day was it day before yesterday ?
 (A) Tuesday (B) Friday
 (C) Monday (D) Sunday
02. A truck, which is 20 m long, takes 22 s to travel across a bridge that is 420 m long. Find the speed of the truck.



- (A) 10 m/s (B) 15 m/s
 (C) 30 m/s (D) 20 m/s
03. How many squares are there altogether in the figure below ?



- (A) 24 (B) 26 (C) 23 (D) 25
04. 3 mugs and 4 bottles have a total capacity of 1500 ml. 1 mug and 1 bottle have a capacity of 425 ml. What is the capacity of 1 bottle ?
 (A) 225 ml (B) 220 ml
 (C) 200 ml (D) 252 ml
05. The table shows the number of different notes and coins.

₹ 100	₹ 50	₹ 1	50 paise
40	80	35	?

The total amount is ₹ 8040. What is the number of 50 paise coins ?

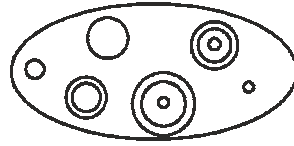
- (A) 15 (B) 10
 (C) 20 (D) 25


REASONING

01. If 678 means PIT, what does 876 mean ?

- (A) PTI (B) TPI (C) TIP (D) PIT

02. Which of these shapes is similar to the group of shapes given in the oval ?

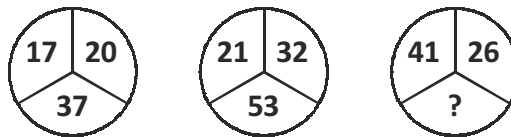


- (A)  (B)  (C)  (D) 

03. Which letter appears in MATHEMATICS, but not in MECHANICS ?

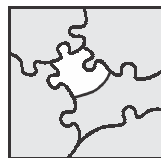
- (A) E (B) T (C) N (D) C


04. Identify the missing number.



- (A) 70 (B) 56 (C) 67 (D) 50

05. Which of the following jigsaw piece fits the missing part (the unshaded part) ?



- (A)  (B)  (C)  (D) 

CRITICAL THINKING

01. How many objects are there in the given picture ?

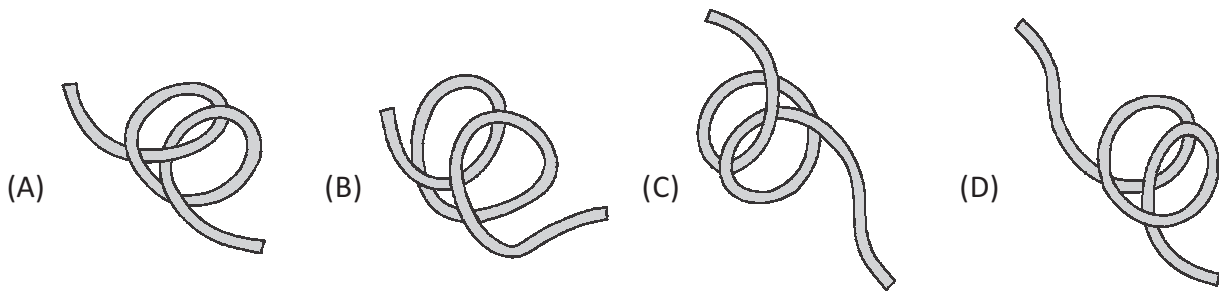


- (A) 10 (B) 11 (C) 9 (D) 12

02. 5 matchsticks are placed at an equal distance away from each other. How many intervals are there ?

- (A) 5 (B) 4
(C) 3 (D) 6

03. Which of the following will form a knot when pulled ?



04. 'A' is taller than 'B'. 'B' is taller than 'C'. Then who is shortest ?

- (A) B (B) C (C) A (D) A and B

05. In a group of hens and dogs, there are total of 60 legs. 10 dogs are present in that group. Then how many hens are there ?

- (A) 20 (B) 15 (C) 10 (D) 5

KEY & SOLUTION

MATHEMATICS

01. (A) Today – Thursday

Yesterday – Wednesday

Day before yesterday – Tuesday

02. (D) Total travelling distance = $420 + 20 = 440$ m

Since the truck travels 440 m in 22 s, it can travel ($440 \div 22 = 20$ m) in 1 s.

The speed of the truck is 20 m/s.

03. (C)

Combinations	Number of S
--------------	--

1 	16
--	----

4 S	6
--	---

9 S	1
--	---

TOTAL	23
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There are 23 squares altogether.

04. (A) Total capacity of 3 m and 4 b = 1500 ml

$$3m + 4b = 1500 \text{ ml}$$

$$3 \times 1m + 1b = 425 \text{ ml}$$

$$3m + 4b = 1500 \text{ ml}$$

$$\underline{3m + 3b = 1275 \text{ ml}}$$

$$\underline{1b = 225 \text{ ml}}$$

Capacity of 1 bottle = 22 ml

05. (B) Total amount = ₹ 8040

Number of ₹ 100 note = 40 = ₹ 4000

Number of ₹ 50 note = 80 = ₹ 4000

Number of ₹ 1 coin = 35 = ₹ 35

Number of 50 paise coin = ?

$$\text{₹ } 4000 + \text{₹ } 4000 + \text{₹ } 35$$

$$= \text{₹ } 8035$$

Number of 50 paise coin = Total – ₹ 8035

$$= \text{₹ } 8040 - \text{₹ } 8035$$

$$= \text{₹ } 5$$

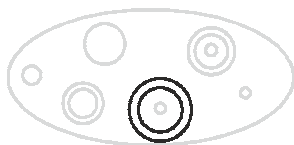
So, Number of 50 paise coin = 10 = ₹ 5

REASONING

01. (C) Here

$$P = 6, I = 7, T = 8$$

876 means TIP



02. (B)

03. (B) Letter 'T' do not appear in 'MECHANICS' word.

04. (C) $17 + 20 = 37$

$$21 + 32 = 53$$

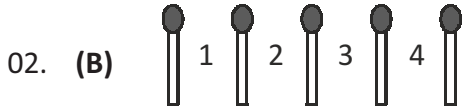
$$41 + 26 = 67$$

05. (B)

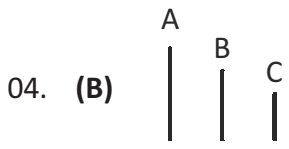


CRITICAL THINKING

01. (C) There are 9 balls and 1 box



There are 4 intervals



'C' is shortest one

05. (C) 10 dogs means $10 \times 4 = 40$ legs

$$60 - 40 = 20 \text{ legs}$$

hen has 2 legs

$$\therefore \frac{20}{2} = 10 \text{ hens are there}$$