

Delhi Public School Knowledge Park – V
Greater Noida (West)

Date: December 27th, 2023
DPSKP-V/2023-24/Circular/ 233

CIRCULAR

Dear Parents,

Greetings!

W.r.t. circular no. 204, kindly find below the datesheet and syllabus for class VI for the Open-Door assessment. The sample papers are also attached herewith.

Date	Day	Subject	Syllabus
29-01-2024	Monday	Mathematics (Learning Assessment)	1) Algebra. 2) Mensuration.
02-02-2024	Friday	Mathematics (Relearning Assessment)	
07-02-2024	Wednesday	Science (Learning Assessment)	1) Electricity and circuits. 2) Components of Food.
13-02-2024	Tuesday	Science (Relearning Assessment)	


Overall coordinator


Principal



- 1 Three figures of a pattern made using matchsticks is shown in the figure. Will you have to definitely draw 100th figure of the pattern and count to find the number of matchsticks used in 100th figure?

(A) Yes, because there is no other way
(B) No



1st Figure



2nd Figure



3rd Figure

- 2 "Perimeter of an equilateral triangle is sum of length of its sides", which of the following is the variable in this statement?

I. Length of the sides

II. Number of sides

(A) Only I

(B) Only II

(C) Both I and II

(D) None

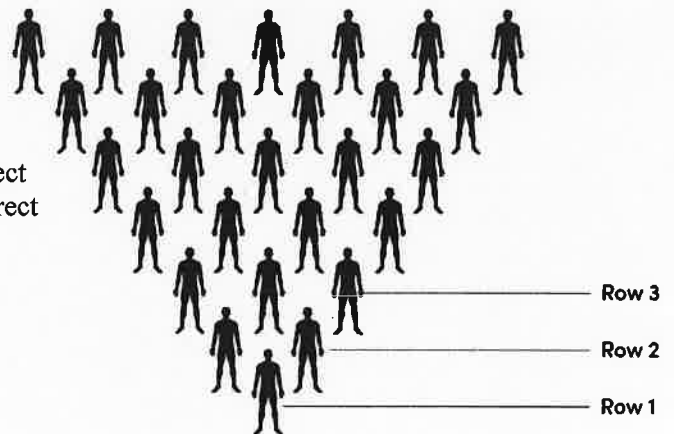
- 3 There are people standing in the rows. If each one donates Rs. 100 to an NGO, then which of the following is/are correct related to this?

I. There are 50 people in 50th row.

II. NGO gets Rs. $100n$ from n^{th} row.

(A) Only I is correct
(C) Both are correct

(B) Only II is correct
(D) Both are incorrect



- 4 Which of the following is equal to $3x$?
(Note: read all the options carefully)

(A) $3 \times x$

(B) $3 + x$

(C) Both options (A) and (B)

(D) None

- 5 Ravi has 10 **more** chocolates than Shyam. If Ravi has x chocolates and Shyam has y chocolates, then which of the following is/are correct?

I. No. of chocolates Ravi has = $y - 10$

II. No. of chocolates Shyam has = $x - 10$

(A) Only I

(B) Only II

(C) Both

(D) None



1 Two chocolate bars are shown in the figure below. Which bar has a **bigger perimeter**?

- (A) Chocolate bar A
- (B) Chocolate bar B
- (C) Both have same perimeter



Chocolate bar A



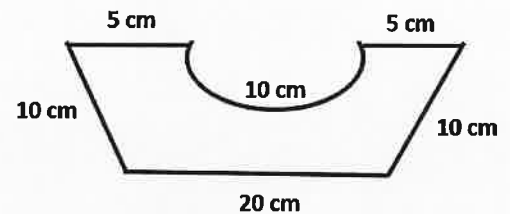
Chocolate bar B

2 Which of the following statements regarding perimeter of the shape shown in the figure is correct?

Statement I: The perimeter of the shape cannot be calculated as it has a curve.

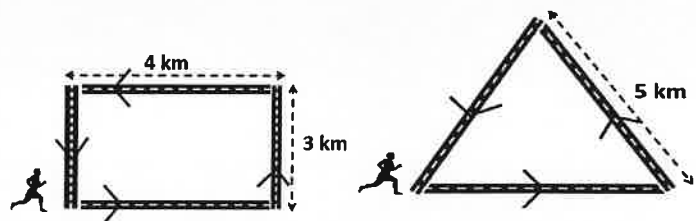
Statement II: The perimeter of the shape is 60 cm.

- (A) Only I is Correct
- (B) Only II is Correct
- (C) Both I and II are Correct
- (D) Both I and II are Incorrect



3 Jasprit and Shami start running along two different paths. Jasprit travels along a **rectangular path** whereas Shami travels along an **equilateral triangular path** as shown in the figure. Who runs more?

- (A) Jasprit
- (B) Shami
- (C) Both travelled the same distance
- (D) More information is needed



4

Read the statements and choose the option that is correct regarding the comparison of **shaded area** of the figures?

[Note: Answer by observing the figures.]



Fig. I



Fig. II



Fig. III

Statement I: Area of Fig. I > Fig. II > Fig. III

Statement II: Area of Fig. III cannot be compared as it is not a defined shape.

(A) Only I is Correct

(B) Only II is Correct

(C) Both I and II are Correct

(D) Both I and II are Incorrect

5

Rahul's bedroom wall has an empty rectangular space of length 10 m and breadth 6 m. Will he be able to fit the painting shown in the figure on that portion of the wall?

Statement I: Yes, as the area of painting is lesser than area of the space on wall.

Statement II: We need to know length and breadth of the painting to definitely say whether it will fit or not

Area = $40 m^2$

(A) Only I is Correct

(B) Only II is Correct

(C) Both I and II are Incorrect





- 1 She is Meera (in the picture) and is worried of being **short**. She wants to grow tall but unable to understand which nutrient will help her to do so. Which of the following food items should she increase in her diet?

- (A) Rice
- (B) Mustard oil
- (C) Dal
- (D) Amla



- 2 Hibernation is a process of sleeping for months without any food. Which among the following nutrients helps bears to survive without food during hibernation?

- (A) Carbohydrates
- (B) Fats
- (C) Proteins
- (D) Vitamins



After Hibernation



Before Hibernation

- 3 Which has **higher** capacity to provide energy when eaten, 50g of carbohydrates or 50g of fats?

- (A) 50g of carbohydrates
- (B) 50g of fats
- (C) Both have same amount of energy

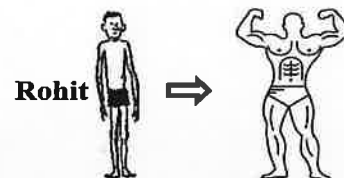
- 4 People generally eat *Rice and Dal* during lunchtime. This food combination provides two very important nutrients. Can you tell what are these?

- (A) Proteins and fats
- (B) Vitamins and minerals
- (C) Carbohydrates and fats
- (D) Carbohydrates and proteins

- 5 Rohit wants to make his body muscular as shown in the figure. Which of the following types of diet should he follow?

- (A) He should eat only carbohydrates
- (B) He should eat only fats
- (C) He should eat only proteins
- (D) He should eat only fruits

(E) He should eat all the above, but consumption of proteins should be more than the other nutrients





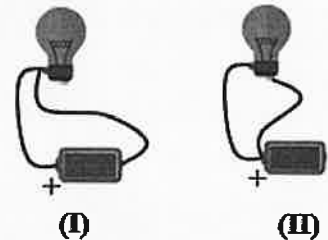
- 1 Ria while observing an electric cell saw a (+) sign on one of its terminals. Which of the following signs will she observe on the other terminal of the cell?

(A) (+) sign
(B) (-) sign
(C) It can be any of the above
(D) Battery has only one terminal



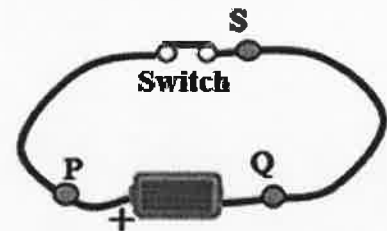
- 2 In which of the following circuits will the bulb glow?
(Assume all bulbs, electric wires, and batteries are working)

(A) Only I
(B) Only II
(C) Both I and II
(D) None of them



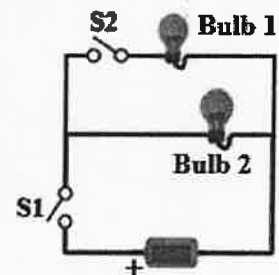
- 3 In the circuit shown, at which of the shown positions should the bulb be connected to make it glow faster?

(A) At P
(B) At Q
(C) At any of the positions P and Q
(D) At S near the switch
(E) Bulb will glow at the same time anywhere in the circuit



- 4 In the circuit as shown, which of the switches (S1 or S2) should be kept in OFF position to make ONLY Bulb 1 glow?

(A) Only S1
(B) Only S2
(C) Both should be kept in ON position
(D) It is NOT possible for only Bulb 1 to glow



- 5 Shown is the picture of a wire. In which of the indicated parts is current flowing?

(A) Only I
(B) Only II
(C) Both I and II
(D) None of them

