DAYAWATI MODI ACADEMY, RAMPUR
HOLIDAY HOMEWORK VIII

MATHEMATICS

Q1- Look at the situation and express it algebraically-

SITUATION	VARIABLE	ALGEBRIC EXPRESSION
Seema has 4 toys less than Anita	Anita has x toys.	Seema has ………. Toys.
Town A is 300 km from Town B	Town B is further x km from Delhi.	Town A is ……..km from Delhi.
Length of a hall is twice of its breadth	Breadth is b meters.	Length is ………. Meters.

Q2- If first and third digit of number are interchanged with each other in the following series, then arrange the numbers in descending order.
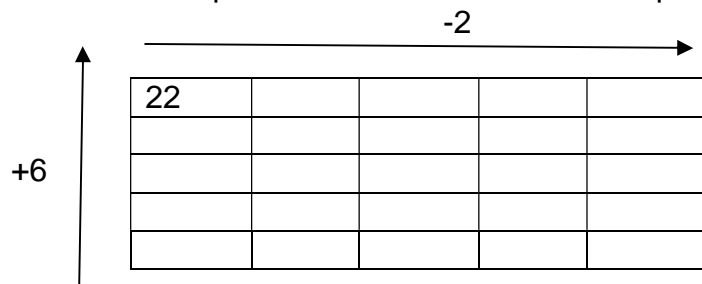   679, 235, 428, 713, 579

Q3-In a row Jiya is 26th from the right and Elen is 28th from the left. If Jiya moved 4 steps to her right then she will become 5th from the left of Elen. How many persons are there in the row?

Q4- Prove that the opposite angles of a cyclic quadrilateral are supplementary.

Q5-A chord AB of a circle is equal to the radius of circle of centre O. Show that the reflex $<AOB = 300^0$.

Q6- Perform operations as indicated and complete the grid.

-2 →

+6 ↑

22				

PHYSICS

1. Mention five protection and safety measures against earthquake.

2. Describe structure and mechanism of human eye with diagram.

CHEMISTRY

1. Explain fractional distillation of petroleum with diagram; also mention temperature range and uses of various fractions.

2. Discus five major pullutants of water.

BIOLOGY

1.Explain menstrual cycle. Support your answer with a diagram.

2.Draw a table showing different types of endocrine glands,the hormones secreted by each of them and the functions of those hormones.

ENGLISH

Q.1. You are Amrita and your mother is ill today. You cook dinner for the entire family and surprise everyone . Make a diary entry expressing your joy and contentment , in about 100 words.

Q.2. Write a letter to the Editor about frequent traffic jams in metropolitan cities .

(HINTS: Shortage of public transport/ poor road condition / people disobey traffic rules/ temporary markets on pavements)

Q.3. Change from Active to Passive-

1. Ram caught a thief.   2. Who broke my pen?

3. I love chocolates.   4. Tia is singing a song.

Q.4. Change to INDIRECT SPEECH:

1. Ranjit said," We often play football in the evening."

2. Mini said," My book is on the table."

3. Mother said to me," Listen to your teacher."

4. Sahil said to me," Have you seen my bag?"

SOCIAL SCIENCE

Q.1 Write the details of any one PIL filed to protect child rights.
Q.2 Write the details of 'Quit India Movement '.
Q.3 Complete the seven maps that are given in class. Prepare a file.

विषयः हिन्दी

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