ARMY PUBLIC SCHOOL JAMMU CANTT
HOLIDAYS HOME WORK
CLASS 9TH

ENGLISH :

1. Write a short story based on a given outline or cue in about 150-200 words

A 15 year old boy was going on a deserted road, feeling a little scared and uneasy. Hesitatingly, he stepped ahead. Suddenly

2. Subject – verb concord → write down rules. Give example where necessary.
3. Read chp 1-3 of book III Gulliver's Travels. Make at least one question from each chapter and answer it in 150-200 words.

HINDI

1. दीपावली त्योहार से संबंधित शुभकामना पत्र बनाकर कॉपी में चिपकाए ।
2. एक मिठाई और एक पटाखे की दुकान का आकर्षक विज्ञापन बनाइये ।
3. पाठ"वैज्ञानिक चेतना के वाहक "को कक्षा-परीक्षा हेतु याद करें ।
4. अपने मित्र को दीवाली की बधाई देते हुये पत्र लिखें ।
5. प्रतिदिन एक पन्ना सुंदर लेख लिखें ।

MATHS :

CHAPTER: 4(LINEAR EQUATIONS IN TWO VARIABLES)

1.The force exerted to pull a cart of mass 6kg is directly proportional to the acceleration produced in the cart. Express it in the form of linear equation in two variables and draw its graph.

2. 'A' has x apples and 'B' has y apples . If 'A' gives his 10 apples to 'B' then the number of apples left with 'A' will be twice of apples 'B' having then. Write this information in the form of linear equations in two variablesand draw its graph.

3 .” After five years, age of mother will be three times the age of her son “. Represent this in the form of linear equation in two variables and draw the graph.

4. Draw the graph of 2x + y =6 and 2x-y+2 =0 . Shade the region bounded by these lines and x-axis. Find the area of the shaded region.

5. draw the graph of the equation 3x +4y =6. At what point the graph cut the x-axis and the y-axis.

CHAPTER: 8(QUADRILATERALS)

1. AD and BE are the medians of a triangle ABC and DF ‖ BE. Show that CF = $\frac{1}{4}$AC.
2. AD is the median of triangle ABC , E is the mid- point of AD and DG‖ BF.Show that AF = $\frac{1}{3}$ AC.
3. Show that the quadrilateral formed by joining the mid points of the consecutive sides of a square is a square.
4. E and F are respectively the mid points of the non- parallel sides AD and BC of a trapezium ABCD. Prove that EF ‖ AB and EF = $\frac{1}{2}$ (AB + CD).
5. P is the mid point of side BC of a parallelogram ABCD such that ∠BAP = ∠DAP . Prove that AD = 2CD.

NOTE: Class tests of both the above mentioned chapters will be conducted in the zero period soon after holidays.

SCIENCE

Q.1 A hydraulic automobile lift is designed to lift cars with a maximum mass of 3000 kg. The area of the piston carrying the load is 425 square centimeter. What maximum pressure would be smaller piston have to bear?

Q.2 The mass of an empty 40 litres petrol tank of a vehicle is 8 kg. What will be its mass when filled completely with a fuel of density 700kg/m^3.

Q.3 StateArchimedes’s Principle. Describe an experiment for its verificatio

Q.4Find the Molecular mass of following:

a) Al_2SO_4 b) $Ca(OH)_2$ c) ZnO d) $FeSO_4$ e) $(NH_4)_2SO4$

Q.5Write the chemical formula of:

a) Magnesium Hydroxide b) Aluminium oxide c)Ammonium Chloride

d) Calcium Carbonate e)Sodium Bromide

Q. 6 What are the classifications which led to the modern five kingdom classification?

Q.7 Compare the features of kingdom monera and kingdom Protista.

(SOCIAL SCIENCE) Economics)

Q1. Explain poverty as seen by social scientists.

Q2.How poverty is a curse upon the humanity? Explain.

Q3.Name the different social groups who are having an their economic inequality in India and why?

Q4. Explain the major dimensions of poverty in India.

Q5. Write a note on poverty levels in different states of India.

Q6. Write a note on global poverty scenario.

Q7. Mention the four causes of poverty in India.

Q8 write a note on NSSO.

Collect the paper cuttings on poverty levels in different states of India and the steps taken by governments to remove it and paste it on your note book.