

## **HOLIDAY HOMEWORK FOR THE SUMMER BREAK**

**(CLASS XII ENGLISH-2018-19)**

### **CLASS XII:**

1. Solve the CBSE Board question paper 2018 (Section A and B) in the Homework notebook and read all the chapters in Flamingo and Vistas.
2. Read the novel “The Invisible Man” from chapter 1-10 and attempt 10 questions based on it and submit in a separate file.

**K.V. INS MANDOVI**

**SUMMER VACATION ASSIGNMENTS 2018-19**

**CLASS XII – BIOLOGY**

1. Draw all important diagrams marked in textbook in separate file.
2. Prepare a question bank along with answers of Unit 1. **REPRODUCTION** by including questions from CBSE board exam papers of last 10 yrs.
3. Make an Investigatory project on any topic related to your syllabus & prepare a questionnaire from your topic including questions from previous years board papers. [Minimum questions 20].

## HOLIDAY HOMEWORK FOR SUMMER VACATION

2018-19

CLASS: 12<sup>th</sup> SCIENCE A

SUB: PHYSICS

*Write the answers in HW notebook only.*

*Use log books for solving numerical.*

### VERY SHORT ANSWER QUESTIONS(1 MARK QUESTIONS)

1. A glass rod is rubbed with silk. What type of charge do they acquire?
2. Give the SI unit of flux?
3. What is the angle between the directions of electric field at any  
i) axial point ii) equatorial point due to an electric dipole?
4. How does the electric flux due to electric flux due to the point charge enclosed by the spherical Gaussian surface get affected when radius is increasing?
5. What is the electric flux through a cube of side 1cm which encloses an electric dipole?
6. A charge  $q$  is placed at the centre of a cube of side  $l$ . What is the electric flux passing through TWO Opposite face of cube?
7. Define electric dipole
9. State the Gauss theorem in electrostatics.
10. Define electric potential. Is it a scalar or vector quantity
11. Why are the electric field lines perpendicular at a point on a equipotential surface of a conductor?
12. Write the relation for polarization  $P$  of a dielectric material in the presence of external electric field  $E$ .
13. Define surface charge density at a point,
14. Write down the relation between electric field and electric potential at a point.
15. Give the SI unit of electric permittivity of a free space.
16. What is electrostatic induction?

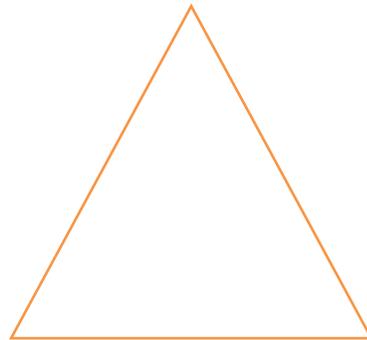
### SHORT ANSWER QUESTION (2 OR 3 marks each)

1. Derive an expression for electric potential at a point along the axis line of the dipole
2. What are properties of electric lines of forces?
3. The electrostatic force of repulsion between two positively charged charged ions carrying equal charges is  $3.7 \times 10^{-9}N$  when they are separated by a distance of
- 5A .How many electrons are missing from each ion.

4. Explain Coulomb's law.
5. Explain Gauss's law.
6. A charge of  $17.7 \times 10^4 \text{ C}$  is distributed uniformly over the large sheet of area  $200 \text{ m}^2$ . Calculate the electric field intensity at a distance of  $20 \text{ cm}$  from air.
7. What is the force between two small charged spheres and having charge of  $2 \times 10^{-7} \text{ C}$  placed at  $20 \text{ cm}$  apart in air?
8. Derive an expression for electric potential at a distance  $r$  from the point charge.
9. Charges  $4Q, q$  and  $Q$  are placed along  $x$  axis at positions  $x=0, x=l/2$  and  $x=l$  resp. Find the value of  $q$  so that force on the charge  $Q$  is zero.
10. Consider three charges  $q_1, q_2, q_3$  each equal to  $q$  at the vertices of an equilateral triangle of side  $l$ . What is the force on a charge  $Q$  placed at the centroid of triangle?
11. Consider three charges  $q, q, -q$  placed at the vertices of an equilateral triangle, What is the force on each charge.?
12. Two point charges of  $5 \times 10^{-19} \text{ C}$  and  $20 \times 10^{-19} \text{ C}$  are separated by a distance of  $2 \text{ m}$ . Find the point on the line joining them at which electric field intensity is zero.
13. Define electric field intensity and derive an expression for it at a point on the axial line of a dipole. Also determine the direction.
14. Using Gauss's theorem, obtain an expression for force between two point charges.
15. Define torque acting on dipole of dipole moment  $p$  placed in a uniform electric field  $E$ . Express it in vector form and point out the direction along which it acts.
16. An electric dipole is placed in a uniform electric field  $E$ . Show that the torque on the dipole is given by  $\tau = p \times E$ , where  $p$  is dipole moment of the dipole. What is the net force experienced by the dipole.
17. Define an electric field line. Draw the pattern of the field lines around a system of two equal positive charges separated by a small distance.
18. Calculate the electric potential at the centre of a square of side  $\sqrt{2} \text{ m}$  having charges  $100 \mu\text{C}, -50 \mu\text{C}, 20 \mu\text{C}$  and  $-60 \mu\text{C}$  at the four corners of the square.
19. Two point charges of  $3 \mu\text{C}$  and  $-3 \mu\text{C}$  are placed  $2 \times 10^{-3} \text{ m}$  apart from each other. Calculate 1) Electric field and electric potential at a distance of  $0.6 \text{ m}$  from the dipole in the broad side on position. 2) electric field and electric potential on the same point after rotating dipole through  $90$  degree.
20. Write a note on Electrostatic Shielding.

21. Calculate the work done to dissociate the system of three charges placed on the vertices of triangle . as shown in the figure. ( $q=1.6 \times 10^{-10}\text{C}$  and side 10 cm)

q



-4q

+2q

22. Calculate the work done to dissociate the system of three charges placed on the vertices of square . as shown in the figure. ( $Q=1.6 \times 10^{-10}\text{C}$  and side 10 cm)

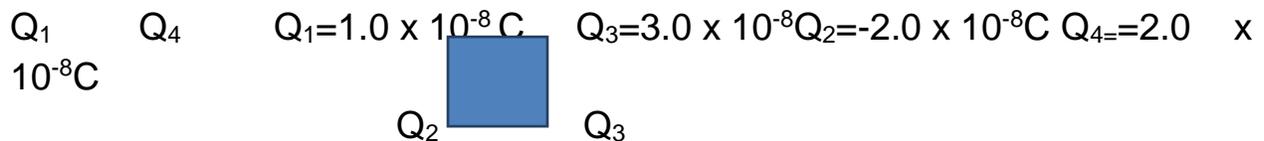
$Q_{++}2Q$



- 4Q

2Q

23. What is the electrostatic potential energy of the charge configuration as shown in figure



24. Derive an expression for equivalent capacitance of series combination.

25. Derive an expression for equivalent capacitance of parallel combination.

26. Derive an expression for energy stored in the capacitor.

27. Derive an expression for energy density of an electric field.

28. Explain principle of Van De Graaff generator.

29. What is dielectrics . Distinguish between polar and non polar dielectrics. give one example each

30. Obtain an expression for electric potential at a point due to the group of  $N$  point charges.

31. What is parallel plate capacitor? Derive an expression for its capacitance.

32. Three capacitors of equal capacitance when connected in series have the net capacitance  $C_1$  and when connected in parallel have net capacitance  $C_2$ . What is the value of  $C_1/C_2$ ?

### LONG ANSWER QUESTIONS (5 marks)

1. Derive the expression for electric field due to the uniformly charged thin spherical shell.

a) outside the shell    b) inside the shell

2. A uniformly charged conducting sphere of 2.4 m diameter has a surface charge density of  $80.0 \mu\text{C}/\text{m}^2$ .

a) Find the charge on sphere.    b) What is the total electric flux leaving the surface of the sphere?

c) find electric field  $E$ .

3. Define electrostatic potential. Derive expression for electric field due to an infinitely long straight uniformly charged wire and thin sheet.

4. A point charge is placed at one of the vertices of a cube having half of part of cube shaded. Find the electric flux a) at centre of cube    b) at one of vertex    c) at one of vertices having one third of part shaded.

5. Consider three charges  $q_1, q_2, q_3$  each equal to  $q$  at the vertices of equilateral triangle of side  $l$ .

What is the force on the charge  $Q$  placed at centroid of triangle.

6. Four charges are arranged at the corners of a square ABCD of side  $d$ . Find the work required to put together this arrangement.

7. Two tiny spheres carrying charges  $1.5 \mu\text{C}$  and  $2.5 \mu\text{C}$  are located 30 cm apart. Find the potential and electric field

a) at midpoint of line joining two charges

b) at a point 10 cm from its midpoint in the plane normal to the line and passing through the midpoint.

8. Explain the principle of superposition of multiple electrostatic force.

Four equal point charges each  $16 \mu\text{C}$  are placed at four corners of a square of side 0.2 cm. Calculate the force on any one of the charge

9. Derive an expression for torque on an electric dipole placed in a uniform electric field. Hence define dipole moment.

10. Sketch and explain the field lines of 1) positive point charge

2)negative point charge 3)two equal positive point charge. 4)two equal an opposite charge

11.Explain the principle construction and working of Van De Graaff generator with neat diagram

# KENDRIYA VIDYALAYA INS MANDOVI

## ECONOMICS HOLIDAY HOMEWORK (Summer Break 2018-19)

### CLASS 12 – Commerce Section

#### CHAPTER 1: INTRODUCTION

Read, understand and learn the chapter and class notes and then attempt the following questions:

1. Define the following terms: Economy, Scarcity, Economics, PPC, Economic Problem, marginal opportunity cost,  $MRT_{xy}$
2. Give two features of Resources.
3. Give to features of Human Wants.
4. Discuss the need to study economics.
5. What is the problem of choice? Why does is arise?
6. Distinguish between positive and normative economics. Give examples.
7. Distinguish between microeconomics and macroeconomics. Give examples.
8. Name the three central problems of an economy. Why do they arise?
9. “Scarcity is the mother of all problems” – Justify the statement.
10. Explain the central problem of ‘what to produce’. Represent the same in a PPC.
11. Explain the central problem of ‘how to produce’. Represent the same in a PPC.
12. Explain the central problem of ‘for whom to produce’. Represent the same in a PPC.
13. What is opportunity cost? Explain with the help of an example.
14. Explain the concept of production possibility curve with the help of a diagram and schedule.
15. Why is a PPC downward sloping?
16. Why is a PPC concave to the origin?
17. Explain the concept of  $MRT_{xy}$  and Marginal Opportunity Cost. Using the two concepts, explain when will the PPC be concave, straight line and concave?

18. Explain two reasons for right shift of the PPC.
19. Explain two reasons for left shift of the PPC.
20. Explain the implication of a point inside the PPC, a point on the PPC and a point outside the PPC.
21. Explain the impact of Swachch Bharat Abhiyaan on the PPC.
22. Explain the impact of Sarv Shiskha Abhiyaan on the PPC.
23. The Make in India scheme by the PM had attracted a lot of FDI in India. How will this impact the PPC of India?
24. How will outflow of capital affect the PPC of India?
25. Draw a PPC and show the following situations: i) Full utilization of resources ii) Economics growth iii)Forest Fire iv)Under utilization of resources.
26. “Underutilization or non utilization of resources will shift the PPC towards the left.” Defend or refute.
27. “An economy always operates on the PPC and never operates inside it” Defend or refute.
28. In every economy, human wants are unlimited and the resources to satisfy them are limited. What should be done to maximize the satisfaction of human needs?
29. Production in an economy is below potential due to unemployment. Government starts employment generation schemes. How will this impact the PPC?
30. Explain the features of centrally planned economy.
31. Explain the features of a market economy.
32. Explain the features of mixed economy.
33. Consider the following schedule. What will be the shape of the PPC? Explain your answer:

a)

Combination	Good (X)	Good Y
A	0	10
B	1	9
C	2	7
D	3	4
E	4	0

b)

Combination	Good (X)	Good Y
A	0	8
B	1	6
C	2	4
D	3	2
E	4	0

c)

Combination	Good (X)	Good Y
A	0	20
B	1	18
C	2	14
D	3	8
E	4	0

## CHAPTER 2: THEORY OF CONSUMER BEHAVIOUR

**Read, understand and learn the chapter as well as class notes and then attempt the following questions:**

1. Define the following concepts: Consumer, Utility, Initial Utility, Total Utility, Marginal Utility, Marginal Utility of a Rupee ( $MU_M$ ), Cardinal Utility Approach, Ordinal Utility Approach, Consumers equilibrium, Indifference Curve, Indifference Map, Budget Line, Budget Set, Marginal Rate of Substitution, Monotonic preferences
2. Explain the relationship between total utility and marginal utility. Use a schedule and a well labeled diagram.
3. State and explain the law of diminishing marginal utility. Give a numerical example and a diagram.

4. Explain how a consumer attains equilibrium when he is consuming only one good.
5. Suppose that a consumer spends his entire income only on one good, good X, which is priced at Rs. 10 per unit. Suppose further that  $MU_M$  is 1 util. The table below summarizes the information on  $MU_X$ .

Units of X	$MU_X$ (Utils)
1	20
2	16
3	10
4	4
5	0
6	-6

Use the information and find out the point of CE:

6. Suppose that the price of good X is Rs. 5,  $MUM = 1$  util and  $MU_X$  in utils is given below. Find the point of CE.

Units of X	$MU_X$ (Utils)
1	12
2	9
3	5
4	3

7. A persons total utility schedule is given below, calculate marginal utility from the same:

Units	0	1	2	3	4	5
TU (Utils)	0	12	21	29	32	30
MU (Utils)						

8. Calculate the missing figures:

Units	1	2	3	4	5
TU in Utils	5	9	-	14	-
MU in Utils	-	-	3	-	1

9. Explain the law of equi marginal utility. Explain the adjustment mechanism that takes places when

$MU_X/P_X > MU_Y/P_Y$  and when  $MU_X/P_X < MU_Y/P_Y$  .

10. A consumer consumes two goods X and Y. The marginal utility schedule for both the goods is given below. Both the goods are priced at Rs. 1 and the income of the consumer is Rs. 5. Find out the equilibrium bundle of the consumer. Also find out the total utility he enjoys at equilibrium.

Units	$MU_x$	$MU_y$
1	11	8
2	10	7
3	9	6
4	8	4
5	7	3
6	6	2

11. A consumer consumes two goods A and B. Price of both the goods is Rs. 1 and the income of the consumer is Rs. 8. Find out the equilibrium bundle of the consumer and also the total utility the consumer enjoys at equilibrium.

Units	$MU_A$	$MU_B$
1	26	11
2	21	9
3	17	8
4	13	6
5	8	4
6	3	2

12. Suppose a consumer can buy 5 units of good X and 4 units of good Y, if he spends his entire income. The price of good X is Rs. 10 and the price of good Y is Rs. 12. Calculate the income of the consumer.
13. Amit wants to purchase two goods X and Y that are only available in integer units. If his income is Rs. 40 and both the goods are priced at Rs. 10, then write the bundles that cost him exactly Rs. 40.
14. Suppose that there are three bundles containing two goods: (10,10), (10,9) and (7,10). Which bundle will be preferred by him if he has monotonic preferences?
15. Priya is indifferent towards bundles (4,7) and (4,8). Indicate whether she has monotonic preferences or not.
16. How is total utility derived from marginal utility?
17. How is marginal utility derived from total utility?
18. What happens to total utility when marginal utility is zero?
19. State the meaning and properties of indifference curve.
20. Why is an indifference curve downward sloping?
21. Why is an indifference curve convex to the origin?
22. Why indifference curves never intersect each other?
23. Why does a higher indifference curve offer higher level of satisfaction?
24. A consumer consumes only two goods, X and Y. Marginal utilities are 5 utils and 4 utils respectively. The prices of X and Y are Rs 4 per unit and Rs. 5 per unit respectively. Is the consumer in equilibrium? What will be the reaction of the consumer in the current situation?
25. A consumer consumes only two goods, X and Y and is in equilibrium. Price of Good X falls. Show that this will lead to a rise in the demand for X.
26. Explain how a consumer attains equilibrium under the ordinal utility analysis.

27. Explain why is the consumer at equilibrium only when there is tangency between the budget line and the indifference curve.

28. A consumer's income is Rs. 200. He spends his income on the purchase on two goods X and Y. Price of X is Rs. 40 and price of Y is Rs. 20. Answer the following questions:

a) Write the equation of his budget line and budget set.

b) Write two combinations of X and Y that are on the budget line

c) Write two combinations of X and Y that are a part of the consumer's budget set but not his budget line.

d) Draw the budget line.

e) Suppose the income of the consumer rises to Rs. 400, then how will the budget line be impacted? Explain and show diagrammatically.

**NOTE: As part of HHW you are required to work on project that carries 20 marks in the final examination.**

CLASS X

**HOLIDAY HOME WORK (SUMMER BREAK) 2018**

**Class X ENGLISH**

1. Collect 2 newspaper articles and prepare 5 questions based on each of them. (HW copy)
2. PREPARE A POSTER: TOPIC: SAVE WATER (HALF CHART PAPER)
3. READ CHAPTERS 1-10 OF STORY OF MY LIFE AND PREPARE THE SUMMARY OF CHAPTERS 1-5 IN NOT MORE THAN 100 WORDS EACH. (HW COPY)
4. STORY WRITING: TOPIC: A FAMILY VACATION (200-250 WORDS IN HW Copy)

Holiday homework Class 10<sup>th</sup> social science

Any one of the following:

1. Write a brief report on various irrigation practices in the village and change in cropping pattern in the last decade?
2. Write a brief report on various causes of 'depletion of forest' and 'greenhouse effect'.
3. Collect photographs of typical rural houses and clothing of people from different regions of India and examine whether they reflect any relationship with climatic condition and relief of the area.
4. Make a project on the topic 'Sectors of Indian economy'.

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CLASS –X HOLIDAY HOMEWORK (SUMMER VACATIONS)

SUBJECT – SCIENCE

1. Draw a labeled diagram of following –
  - i) HUMAN DIGESTIVE SYSTEM
  - ii) HUMAN RESPIRATORY SYSTEM
  - iii) HUMAN HEART
  - iv) SCHEMATIC DIAGRAM OF DOUBLE CIRCULATION IN HUMANS
  - v) HUMAN EXCRETORY SYSTEM
  - vi) NEPHRON
  - vii) STRUCTURE OF NEURON
  - viii) HUMAN BRAIN
2. Write a short note on –
  - i) Dental caries
  - ii) Blood pressure
  - iii) Hemodialysis
3. Write chemical formula ,chemical name and two uses of following salts-
  - i) Caustic soda
  - ii) Bleaching powder
  - iii) Baking soda
  - iv) Washing soda
  - v) Plaster of paris
4. Write an activity for
  - i) To find out the focal length of concave mirror and convex lens by focusing a distant object
  - ii) To make a temporary mount of leaf peel to observe stomata.
5. Learn and practice chapter chemical reactions and equations and life processes

## K.V. INS MANDOVI

### SUMMER VACATION ASSIGNMENT

#### CLASS X (MATHS)

1. Revise all problems of chapter 1 and 2 of NCERT textbook with examples.
2. If  $p/q$  is a rational number .what is is the condition on  $q$  so that it is terminating?
3. Write the rational number betyween  $\sqrt{2}$  and  $\sqrt{3}$  /
4. The decimal expansion of  $\frac{43}{16.125}$  will terminate after how many decimals?
5. Find HCF and LCM of 100 and 190.
6. Write 1 rational and irrational number between 0.25 and 0.32.
7. Express 107 in the form of  $4q+3$ .
8. Find whether  $51/1500$  is terminating or not.
9. Use Euclid division algorithm to find HCF of 1288 and 575.
10. Check whether  $4^n$  can end with 0/
11. Given  $\text{LCM}(26,169)=338$ , write  $\text{HCF}(26,169)$
12. Find HCF and LCM of 6,72,160.
13. Show that  $\sqrt{3}$  is irrational number.
14. Show that  $5+\sqrt{2}$  is irrational number.
15. Show that square of odd positive integer is of form  $8m+1$ .
16. Find HCF and LCM of 26 , 91.
17. State fundamental theorem of arithmetic.
18. Express 2658 as product of prime factors.
19. Find HCF and LCM of 17,23,29.
20. Show that  $\sqrt{2}$  is irrational number.
21. Find the largest positive integer that will divide 122,150 and 115 leaving 5,7and 11 respectively.
22. Show that there is no positive integer  $n$  for which  $\sqrt{n} - 1 + \sqrt{n} + 1$  is rational.
23. Find HCF and LCM of 72,126,168.
24. Find the quadratic polynomial whose zeroes are  $\frac{-2}{\sqrt{3}}$  and  $\frac{\sqrt{3}}{8}$  .
25. Find the zero of  $3x+4$ .

26. Write the degree of zero polynomial.
27. Form a cubic polynomial of zeroes 3,2,-1.
28. Find zeroes of  $6x^2-3-7x$ .
29. For what value of k , -4 is zero of  $x^2-x-(2k+2)$ ?
30. Find zeroes of  $4u^2+8u$ .
31. Find the quadratic polynomial whose zeroes are  $\frac{1}{4}$  and  $-1$  .
32. Find the zero of  $x^3-2x^2-x+2$ .
33. If zeroes of  $x^3-3x^2-x+1$  are a-b,a,a+b. Find a and b.
34. Divide  $f(x)=6x^3-11x^2-39x+65$  by  $g(x)=x-1$
35. Obtain all zeroes of  $2x^3-4x^2-2x+4$ .
36. If one of zeroes of  $2x^2+px+4=0$  is 2, find the other root .Also find the value of p.

Holiday Homework Class-9<sup>th</sup> SS Any one of the following:

1. In the political map of India locate and label:
  - a) Indian states with capital.
  - b) Tropic of Cancer.
  - c) Standard Meridian.
  - d) Northernmost, southernmost, easternmost and westernmost point of India.
  
2. In the Physical map of India locate and label:
  - Mountain ranges: the Karakoram, the Aravali, the Vindhya and the Satpura.
  
3. In the Physical map of India locate and label:
  - Mountain peak: K2 Kanchenjunga, Anaimudi
  
4. In the Physical map of India locate and label:
  - Plateau: Deccan Plateau, Chota Nagpur Plateau, Malwa plateau.
  
5. In the Physical map of India locate and label:
  - Coastal plains: Konkan, Malabar, Coromandel, and Northern circars.

## K.V. INS MANDOVI

### CLASS IX (MATHS)

1. Revise all problems of chapter 1 and 2 of NCERT textbook with examples.
2. Find six rational numbers between 3 and 4.
3. Express  $\frac{2157}{625}$  in the decimal form.
4. Find decimal representation of  $\frac{22}{7}$ .
5. Express in  $\frac{p}{q}$  form: (1) 0.3 (2) 0.5 (3) 0.585 (4) 15.712
6. Give two examples of two irrational number the product of which is  
(1) A rational number (2) an irrational number.
7. Find two irrational numbers between 0.1 and 0.12.
8. Write five irrational numbers 0.2101 and 0.2222.
9. Visualize 5.377777.... on number line upto 5 decimal places.
10. Visualize 2.665 on number line.
11. Find the value of  $0.23+0.22$ .
12. Represent  $\sqrt{5}$  on number line.
13. Represent  $\sqrt{8}/3$  on number line.
14. Write three numbers whose decimal expansions are non terminating and non recurring.
15. Express in p/q form 15.702.
16. Represent  $\sqrt{6}$  on number line.
17. Evaluate (1)  $(\sqrt[3]{27})^2$ .
18. Rationalize (1)  $\frac{1}{\sqrt{2}}$  (2)  $\frac{\sqrt{2}+1}{\sqrt{5}}$ .
19. Find a and b.  $\frac{\sqrt{3}-1}{\sqrt{3}+1} = a + b\sqrt{3}$ .
20. Simplify  $\therefore \frac{4-\sqrt{5}}{4+\sqrt{5}} + \frac{4+\sqrt{5}}{4-\sqrt{5}}$ .
21. Evaluate using identities:  $(99)^2$ .
22. Find zero of (1)  $f(x)=(x-5)$  (2)  $p(x)=cx+d$ .
23. If  $f(x)=2x^3-13x^2+17x+12$ , find  $f(2)$  and  $f(-3)$ .
24. Divide  $2x^4-6x^3+2x^2-x+2$  by  $x+2$ .
25. Find remainder when  $f(x)=x^3-6x^2+2x-4$  is divided by  $g(x)=1-3x$ .
26. Find remainder when  $f(x)=x^3-6x^2+2x-4$  is divided by  $g(x)=3x-1$ .

KENDRIYA VIDYALAYA INS MANDOVI

CLASS –IX HOLIDAY HOMEWORK (SUMMER VACATIONS)

SUBJECT – SCIENCE

4. Draw a labeled diagram of following –
  - i) PLANT CELL
  - ii) ANIMAL CELL
  - iii) PROKARIYOTIC CELL
5. Tabulate the characteristics of solid liquid and gas.
6. Write an article on plasma or BEC (one page).
7. Write names and symbols of elements from atomic no. 1 to 20.
8. Write activities –
  - i) Determine melting point of water
  - ii) Determine boiling point of water
  - iii) Temporary mount of onion peel and cheek cell.
9. Prepare a draft of cleanliness policy or sanitation policy which we can practically adopt in school.
10. Make a poster –(any one topic)
  - I) Green school
  - II) Clean school
  - III) World water day
  - IV) World earth day
11. Investigatory project on common viral diseases in GOA.

## **ENGLISH**

### **HOLIDAY HOME WORK (SUMMER BREAK) 2018**

#### **Class IX**

1. Collect 2 newspaper articles and prepare 5 questions based on each of them. (HW copy)
2. BIOGRAPHY PROJECT: Prepare the BIOGRAPHY of SOMEONE YOU FIND INTERESTING AND WANT TO KNOW MORE ABOUT. LOOK FOR INFORMATION ABOUT YOUR PERSON WHO IS IMPORTANT AND INTERESTING. MAKE IT COLOURFUL AND CREATIVE !!! (HW copy)
3. PREPARE A POSTER: TOPIC: SAVE WATER (HALF CHART PAPER)

## HOLIDAY HOMEWORK FOR SUMMER VACCATION

Class 8

1. Write the additive inverse of the following

a. 7

b.  $\frac{4}{75}$

c.  $-\frac{3}{5}$

d. 1.5

2. Write the multiplicative inverse of the following

a. 1

b.  $\frac{4}{75}$

c.  $-\frac{7}{3}$

d. 215

3. Write the fractions in order from lowest to greatest

$$\frac{3}{8}, \quad \frac{1}{4}, \quad \frac{7}{8}$$

4. Write the rational number between  $\frac{1}{3}$  and  $\frac{1}{5}$

Show it on a number line

5. Solve  $8x - 6 = 18$

6. Find the value of  $4 + y$  when  $y = 9$

7. What should be added to twice the rational number  $-\frac{3}{7}$  to get  $\frac{3}{7}$

8. Do the Ex: 2.2 again in the H. W book

**Q.1 to Q 11 In homework notebook**

**Activities in journal (practical book)**

1. What is a crop?
2. What are the different agricultural practices
3. Explain the following:  
a-preparation of soil  
b-traditional methods of irrigation  
c-modern methods of irrigation
4. Where are the grains stored after harvesting?
5. What are kharif and rabi crops? give examples
6. How can we control weeds?
7. What are different uses of microorganisms?
8. What are communicable diseases. Give examples?
9. Diseases caused by:-a- bacteria
10.  
b-Virus  
c-Protozoa (3 each.)
11. Write different methods of food preservation.
12. Draw and explain the nitrogen cycle-(HW note book.)

**13. ACTIVITIES**

- 1.Find traditional methods of irrigation-practical notebook(pictures and explanation)
2. Find modern methods of irrigation-practical notebook ( pictures and explanation)
- 3.Different implement used in agriculture practices-practical notebook (pictures and explanation)

## **KENDRIYA VIDYALAYA INS MANDOVI**

### **Class VIII Holiday Homework for Summer Holidays 2018-19**

#### **Subject: Social Science**

1. Develop a project on any one of the following topics:

i. Women in Freedom Struggle

ii. Swachh Bharat – A mission by the people, for the people and of the people.

#### **ENGLISH**

**CLASS 8 :** 1. Write the comprehension check (on page 28 and 30) of 'Tsunami' in your homework notebook.

2. Write a Film Review on any movie you have watched in your homework notebooks. (word limit-100-150 words).

3. Write ten idioms with their meanings in your homework notebook. And also frame one sentence for each.

## **HOLIDAY SYLLBUS OF SOCIAL STUDIES (S.ST)**

### **FOR CLASS 7<sup>TH</sup> (A) (B)**

#### **Exhibition topic (Project)**

1. WOMEN IN FREEDOM STRUGGLE.
2. SWACH BHARAT. (A mirror by the people, for the people and of the people)

#### **LEARN THREE CHAPER OF S.SST**

1. EQUALITY. (CVIC)
2. THROUGH A THOUSAND YEAR. (HISTORY)
3. ENVIRONMENT. (GEO)

#### **READ TWO CHAPTERS.**

1. NEW KINGS AND KINGDOMS. (HISTORY)
2. INSIDE OUR EARTH. (GEO)

## HOLIDAY HOMEWORK SUMMER VACATIONS 2018-2019

### CLASS VII SCIENCE

1. Draw a well labelled diagram of:

a. Stomata

b. Human Digestive System

c. Digestive System of Ruminants

d. Life history of Silk moth

2. Make Flash cards of wool yielding animals. [any four]

3. Write an article on any topic related to science & compile to make a science magazine for your class.

4. Find out what are vitamins and get the following information:

(1) Why are vitamins necessary in the diet?

(2) Which fruits or vegetables should be eaten regularly to get vitamins?

5. Collect information about types of fuels used for cooking in your area? Discuss with your parents/teachers/others which fuels are less polluting and why?

6. Learn and revise chapter 1 to 3.

heritage, art and values of that state.

## Holiday Homework – Class 7

- I. Solve the crosswords and then fill up the given boxes. Clues are given across and downward filling.

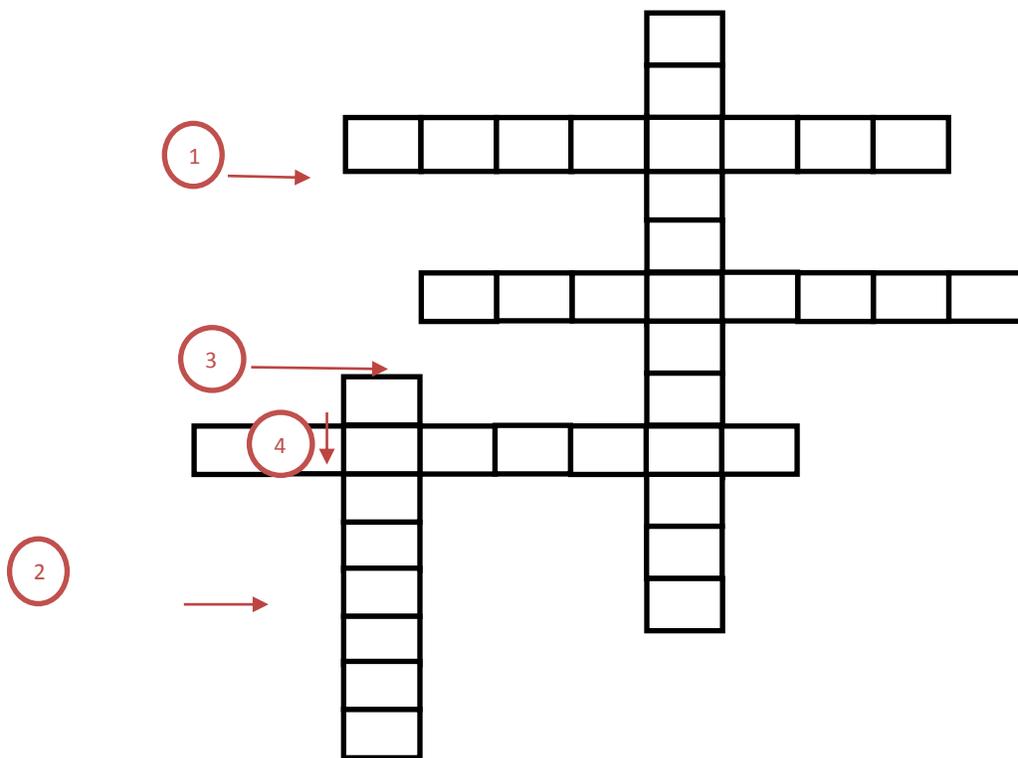
### Across:

- \_\_\_\_\_ of integers is neither commutative nor associative.
- Zero (0) is an additive \_\_\_\_\_ for integers.
- Sign of product of even number of negative integers is \_\_\_\_\_

### Down:

- Sign of product of a positive integer and a negative integer is \_\_\_\_\_
- Addition and multiplication are \_\_\_\_\_ for integers





II. Write a pair of integers for each of the following

a) Sum is zero

b) Difference is -1

c) Product is -20



III. Verify  $a \times b = b \times a$  for  $a = -3$   
 $b = -5$

IV. Simplify  $(-1) \times (-2) \times (-3) \times (-4) \times (-1) \times 2$

V. Arrange  $\frac{2}{5}$ ,  $\frac{3}{4}$ ,  $\frac{2}{3}$ ,  $\frac{4}{5}$  in ascending order

VI. Ex: 1.3  $\Rightarrow$  (1), (2), (6), (7)

1.4  $\Rightarrow$  (1), (2), (5), (6), (7)

2.1  $\Rightarrow$  (4), (5)

## ENGLISH

**CLASS 7 :** 1. Read the chapter " Gopal and the Hilsa Fish " from 'Honeycomb' and find the

meanings of the difficult words.

2. Practice the difficult words given in the homework notebook from the chapter, 'A Gift of Chappals'.

3. Write the rhyming words for the given words in the homework notebook from the chapter 'Squirrel'

4. Frame sentences of three different uses of the word 'wear'. in homework notebook.

## HOLIDAY HOMEWORK FOR SUMMER VACCAATION

2018-19

**CLASS-6 A\B**

### ACTIVITIES :

1. Make a list with pictures where possible of food items generally taken by people of different region of India. Place these on large outline map of India to display in our classroom.
2. What are the ways that we can think of to avoid wastage of food? Stick pictures.
3. Excess intake of fats is harmful for the body. What about other nutrients? Is it harmful for body to take too much of proteins or vitamins in the diet?

1. Name the major nutrients of our food?
2. Make a list of nutrients and their deficiency diseases?
3. What are fibres?
4. What are normal and synthetic fibers?

5. Differentiate between process of ginning and spinning?
6. How jute fibres are obtained? Explain.
7. Differentiate between ancient and modern materials of clothing?
8. Name two items that are made from coconut fibres?
9. Explain the process of making yarn from fibres?
10. True or false statements:
  - a. Yarn is made from fibres.
  - b. Spinning is process of making fibres.
  - c. Jute is the outer covering of coconut.
  - d. The process of removing seed from cotton is called ginning.
  - e. Weaving of yarn makes a piece of fabric.
  - f. Silk fibres is obtained from the stem of a plant.
  - g. Polyester is a natural fibre.

## **HOLIDAY SYLLBUS OF SOCIAL STUDIES (S.ST)**

### **FOR CLASS 6<sup>TH</sup> (A) (B)**

#### **Exhibition topic (Project)**

1. WOMEN IN FREEDOM STRUGGLE.
2. SWACH BHARAT. (A mirror by the people, for the people and of the people)

#### **LEARN THREE CHAPER OF S.SST**

1. UNDERSTANDING DIVERSITY. (CVIC)
2. WHAT, WHERE, HOW AND WHEN. (HISTORY)
3. THE EARTH IN THE SOLAR SYSTEM. (GEO)

## READ TWO CHAPTERS OF S.SST .

1. ON THE TRIAL OF THE EARLIEST PEOPLE. (HISTORY)

2. GLOBE –LATITUDE AND LONGITUDE. (GEO)

## ENGLISH

**CLASS 6 :** 1. To make best out of waste.

2. Read chapter 2 "How the Dog found Himself a New Master" and write the spellings and the meanings of difficult words given from this in your Home work note books.

## Holiday Homework - Class 8

9. Write the additive inverse of the following

e. 7

f.  $\frac{4}{75}$

g.  $-\frac{3}{5}$

h. 1.5

10. Write the multiplicative inverse of the following

e. 1

f.  $\frac{4}{75}$

g.  $-\frac{7}{3}$

h. 215

11. Write the fractions in order from lowest to greatest

$$\frac{3}{8}, \quad \frac{1}{4}, \quad \frac{7}{8}$$

12. Write the rational number between  $\frac{1}{3}$  and  $\frac{1}{5}$

Show it on a number line

13. Solve  $8x - 6 = 18$

14. Find the value of  $4 + y$  when  $y = 9$

15. What should be added to twice the rational number  $-\frac{3}{7}$  to get  $\frac{3}{7}$

16. Do the Ex: 2.2 again in the H. W book

## **KendriyaVidyalaya INS Mandovi**

### **Verem, Goa**

## **Summer Vacations Homework ( Class 5<sup>th</sup>A / B ) EVS**

1. Paste picture of tiger in scrape book and write 5 interesting facts about it. (Page 2)
2. Paste or draw picture of animals that may have a very strong.
  - ( a ) Sense of sight
  - ( b ) Sense of hearing
  - ( c ) Sense of smell ( 2 each )
3. Write name of any 5 national park & state they belong.
4. Makea snake puppet. ( Page – 21 )
5. Survey – people who keep animal. ( page – 20 ) ( A – 4 sheet )
6. Learn question and answers.

## **KendriyaVidyalaya INS Mandovi**

**Verem, Goa**

### **Summer Vacations Homework ( Class 5<sup>th</sup>A /B ) Maths**

1. Write 20 number ( 7 – 8 digits ) in words in Indian and international system . ( Each 20 )
2. Solve 20 word problems based on speed , distance shopping etc.
3. Learn and write tables upto20 .
4. Paste 10 different pictures and mark angles with colour pencil.

## **KendriyaVidyalaya INS Mandovi**

**Verem, Goa**

### **Summer Vacations Homework ( Class 5<sup>th</sup> A / B ) English**

1. Its mango seasons , write a recipe of a mango dish onn A- 4 sheet
2. Listen to English news channels.
3. Write one page hand writing , thrice in a week in 40 pages single line book.
4. Write a page about your summer vacations on A4 size sheet.
5. Write ten English thoughts/ proverbs with meaning on A4 sheet.

## HOLIDAY HOMEWORK SUMMER VACATION

### CLASS – IV

#### ENGLISH

1. Practice 2 pages handwriting every week.
2. Make a small ( 10 lines ) poem of your own on your favourite topic.
3. Read chapter 1 to 5 thoroughly and by heart the new words given at end of the chapter.
4. Pick out any 10 New words from your text-book and write their meanings on an A4 size paper .

#### EVS

1. Paste pictures of any 5 animals
  - a) whose ears can be seen
  - b) whose ears cannot be seen
  - c) who lays eggs
  - d) who gives birth to the young ones
2. Write any 10 uses of trees on an A4 size paper and paste it in your EVS Album book.
3. Paste pictures of any 10 items that we get from trees in your album book.
4. Practice India's political map ( State and their

#### MATHS HOLIDAY HOMEWORK CLASS-IV A/B

1. Make a model of house having three different patterns of walls and one jaali wall and made a cutting of jharokha also .
2. Draw front, rear and top view of brick.
3. Make a useful 3D model of cylindrical or cuboidal shape and decorate it.
4. Do 20 sums of 2 digit multiplication.
5. Do 10 problem sums based on multiplication and division each.
6. Draw a square field and measure the length of its boundary.
7. Draw a rectangular field and measure the length of its boundary.

## **Kendriya Vidyalaya INS Mandovi**

**Verem, Goa**

### **Summer Vacations Homework ( Class 3<sup>rd</sup> A / B ) EVS**

1. Make two leaf prints on A – 4 Sheet.
2. Collect 5 different types of leaves and flowers. Dry and paste then in scape book. Write their names.
3. Collect 5 different feathers of birds. Paste in scape book with their names.
4. Draw or paste the pictures of different pots and pans in your house to store water.

## **KENDRIYA VIDYALAYA INS MANDОВI, VEREM GOA**

### **Summer vacation Holiday home work**

#### **MATHEMATICS**

1. Prepare mask of any animal and draw a dotted line in between.
2. Writing of numbers from 101 to 200 with their number names.
3. Draw or paste 5 pictures of symmetrical shape.
4. Learn and write tables on chart up to 15.
5. Draw front, top, and side view of these things. 1. Chair 2. Tiffin 3. Dustbin 4. Table on A-4 sheet

## **KENDRIYA VIDYALAYA INS MANDОВI, VEREM GOA**

### **Summer vacation Holiday home work**

#### **ENGLISH**

1. 20 Pages handwriting
2. Learn two poems from textbook.
3. Read lessons 1 to 5 and write 10 new words from each chapter
4. Write ten lines on any one of the topic 1. Garden 2. Tress 3.birds
5. Draw a picture of a big garden on A-4 sheet
6. Paste pictures of five birds and write their sounds on A-4 sheet.