SUMMER VACATIONS HOLIDAY HOME WORK
CLASS:-IX

==

Instructions:-

Do all the questions of each subject neatly on A-4 sized sheets, unless specified**.**

==

MATHEMATICS

Q1.   Prepare 10 flash cards of size (8×8) cm and write one identity on each card.

Q2.   On half piece of chart paper by using spiral method locate up to √10. (You can use sticks or any other decorative material).

Q3.   Take two cheques and learn to fill them. One for withdrawal and one for deposit.

Do the following questions in your note book.

Q1.   Find 5 rational numbers between -7/9 and -2/5

Q2.   Express in the form of p/q.

    a)   0.23   b) 0.03526

    c)   5.62   d) 0.49

Q3.   If x =   then find the value of x^2

Q4.   Simplify:

Q5.   If   then Find

INFORMATION TECHNOLOGY

- Write about different Memory Devices with their respective features.(given in chapter-2)
  Hard Disk
  Floppy Disk
  C.D ROMs
  DVDs
  New Age Memories etc.
- Write about different units(Bit, Byte, MB,KB,GB,TB) of memory.
- Explain Hardware and Software.
- Give brief details of all the Application software discussed in Chapter 3.

- Define Operating system with the help of suitable diagram.(done in class viii)
- Define Language Processors. Also write about Interpreter and Compiler.

Note: Do all the above mentioned work in your Fair notebook only.
       Whatsoever has been covered should be revised.

SOCIAL SCIENCE

Q.1) Read newspaper daily and cut 5 or 6 news related to politics and paste them. Write report on the same in your own words.

Q.2) Explain the topic in 150 words 'Large population – assets or a liability'?

Q.3) Prepare a power point presentation on the following topics:-
*   1999 super cyclone in Orissa
*   2001 Gujarat (Bhuj) earthquake
*   2004 Tsunami
*   2002 Bihar Flood
*   2010 Flash flood in Ladakh

Q.4) Solve Geographical puzzles of Ch-1 and 2 of Geography.

Q.5) Mark the following in the physical map of India.
*   Himalayas, Deccan Plateau, Eastern and western ghats, Indian desert, Plateau, Peaks, hill ranges.
*   Show these physical features of India with the help of different colours.

Q.6) Make a first aid pocket guide for different incidents.

SCIENCE

Q.1) Do written practice of the chapters discussed till now?

Q.2) Prepare a project report on 10 different types of diseases alongwith their symptoms, causes and precautions.

Q.3) Starting from rest, a cyclist attains a velocity of $60ms^{-1}$ in 300s. If he applies brakes and slows down to rest at the rate of $2ms^{-2}$. Find:-
(a)   The acceleration in first 200s.
(b)   The time taken to come to rest in deceleration.
(c)   The displacement in the whole journey.

Q.4) Give an example for the situation where velocity is zero but not acceleration.

Q.5) State which of the following situations are possible and give an example of each of these.
(a)   A body moving with a constant acceleration but with zero velocity.
(b)   A body moving horizontally with an acceleration in the vertical direction.
(c)   A body moving with a constant velocity in an accelerated motion.

Q.6) A circular track has a circumference of 3140 m with AB as one of its diameter. A scooterist moves from A to B along the circular path with a uniform speed of 10 m/s. Find:-
(a)   distance covered by the scooterist.
(b)   displacement of the scooterist and
(c)   time taken by the scooterist in reaching from A to B.

Q.7) Define circular motion. Is circulatory motion an accelerated motion? Give reasons.

Q.8) Prove graphically the three equations of motion considering uniform acceleration.

Q.9) Define acceleration and state its SI unit. For motion along a straight time, when do we consider the acceleration to be:-

(a)   Positive   (b)   Negative.

Give an example of a body in uniform acceleration.

Q.10) A ball moving on a table reaches the edges and falls. Sketch the path it will follow while falling.

ENGLISH

Read the Book

Tales from Shakespeare:-

(a) Write the review of any 2 plays in your own words in about (50-300 words).

(b) Write main characters in contrast.

(c) Choose a scene/ a part of your choice from the novel and convert it into a play by writing the dialogues of the different characters involved in that play.

Q.1 Write a minimum 5 recipes of summer drinks after making them practically. Write them in the form of a booklet by making or pasting pictures. Decorate its cover page too.

Q.2 Make your own bilingual (English-Hindi)dictionary of spices, fruits, vegetables, trees, flowers, utensils, birds, animals (minimum 20-25 for each heading).

Q.3(a) Interview minimum 3 persons of your locality who have achieved something special in their life. Write a report on your interview session. & (They may be special people too).

(b) Compare and contrast any two characters from each play.

GENERAL HOMEWORK

Q5:-Find different methods of preservation of food. Make a list of 10 different packed food items & find the method used to preserve that.

Q6:-Design a beautiful logo for language lab.

Q11:-Know Indian biodiversity---

Why do we want to save tigers even when we know that they are predators& can

kill us also.(focus on Project Tiger)and name some other animals which need

this type of projects to protect them.