

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 $\sqrt{10}$. (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.