

# ● CBS.MEM.SR.SEC.SCHOOL



## SUMMER VACATION HOMEWORK

### CLASS -: 9<sup>TH</sup> (SCHOLAR)

#### HINDI

1. दो बैलों की कथा 2. रीढ़ की हड्डी 3. क्या लिखूं 4. संवादहीन (सभी पाठों को पढ़े और छोटे प्रश्न लिखें और याद करें) 5. सत्संगति का महत्व बताते हुए अपने छोटे भाई को पत्र लिखिए व याद करें। 6. डाकिए की शिकायत करते हुए डाकपाल को पत्र लिखिए व याद करें। 7. पर्यावरण प्रदूषण, व्यायाम का महत्व पर निबंध लिखें और याद करें। 8. समास के भेद, के आधार पर एक चार्ट तैयार कीजिए।
9. "गंगा" पुस्तक के आधार पर आप पाठों में से 50 ऐसे शब्द चुनें जो आपने पहली बार सुने और पढ़े हों और उनका अर्थ भी लिखें। (स्क्रीप बुक पर एक शब्दकोश तैयार करें)।
10. अपने बड़े बूढ़ों से "गंगा" नदी के विषय में बात करें और पूछें, गंगा नदी का क्या महत्व है और आज के समय में गंगा नदी प्रदूषित क्यों हो गई है। गंगा नदी को प्रदूषित होने से बचाने के लिए तीन उपाय भी लिखें।

#### English

1. Completion of Fair Notebook and Text Book 'Kaveri' with Exercise
2. Letter Writing- Write and Learn any Ten Letters.
3. Paragraph Writing- Write and Learn any ten Paragraph.
4. Grammar- 50 Sentence on each Topic- (i) Fill in the blanks with Proper Verbs. (ii) Transform sentence from Active to Passive or Passive to Active.
5. Project Work-  
Cut any ten news from any English Newspaper and paste in your Notebook.
6. Write any 150 Word meaning from your textbook 'Kaveri'
7. Make a chart on Tense and also Learn.  
Prepare PPT  
What to do?- Make a PPT/Collage on the Lesson "Hoe I taught my Grandmother to read" using appropriate picture  
Where to do?- In a Pen drive/ A4 Chart  
Parameters:- Originality of Idea, Creativity and presentation  
Think and Write:- Reason/Cause declining of water level on the earth.

#### MATHS

Do Solve the following chapters

- \*Number systems
  - \*Polynomials
  - \*Coordinate Geometry
  - \*Linear equations into variable Phase set -1,2 Make a chart of 3D shapes
- Revision Work \* \*Number systems \*Polynomials \*Co-ordinate geometry  
Table: 10 to 25 and squares and cubes up to 25  
**Activity Card** -: Prepare a working model of Pythagoras Theorem (Use Thermocol Sheet)

#### SCIENCE

#### ( CHEMISTRY)

#### Section A

Solve the given questions.

1. If atoms are mostly empty space, why can't we pass our hand through a table?

2. How did Dalton's atomic theory explain the Law of Conservation of Mass?
3. What was the biggest problem with Thomson's "Plum Pudding Model"?
4. In Rutherford's gold foil experiment, why did most alpha particles pass straight through? What did the few deflected particles prove?
5. How are isotopes of the same element similar and how are they different? Give one use of an isotope.
6. Why is an atom electrically neutral even though it contains charged particles?
7. What are valence electrons and why do they decide how an element behaves?
8. If the mass of an electron is  $\sim 1/1840$  of a proton, why do we say atomic mass = protons + neutrons only?
9. Bohr said electrons move in fixed orbits. What evidence forced scientists to later reject "fixed orbits"?
10. Imagine you could shrink to the size of an electron. Describe what the inside of a carbon atom would look like on your journey.

### Section B

Make a detailed chart on "Rutherford alpha scattering experiment" , thus explains the Rutherford model of atom.

### Section C Project work.

Make a project file on " Discovery of electron" it should include Thomson's model of atom.

Write and learn NCERT exercise and intext questions of chapter "Atomic foundation of matters".

## Physics

1. Distinguish between distance and displacement. Give one example where displacement is zero but distance is not.
2. Define acceleration. What is the SI unit of acceleration? Is it a scalar or vector quantity?
3. A car travels 10m in the 1st second, 10m in the 2nd second, and 10m in the 3rd second. What type of motion is this? Calculate the acceleration in these three seconds.
4. Out of speed, distance, velocity, and time, which are vector quantities?
5. Under what condition is the magnitude of average velocity equal to the average speed.
6. What do you call "negative acceleration"? Give an example from daily life.
7. If an object moves at a constant speed in a circle, why is it said to be accelerating?
8. What does the odometer of an automobile measure
9. What is the speed of an object at a specific moment in time called?
10. A racing car has a uniform acceleration of  $4\text{m/s}^2$ . What distance will it cover in 10s after starting from rest?
11. A train starting from a railway station and moving with uniform acceleration attains a speed of 40 km/h in 10 minutes. Find its acceleration.
12. A swimmer swims in a 90 m long pool. He covers 180m in one minute by swimming from one end to the other and back along the same straight path. Find his average speed and average velocity.

**Chart:-** Make a chart on Motion and their types.

**Project:-** Make a project on the graphs you studied in chapter and all the quantities that you can measure or calculate from that graphs. Make a list of 20 objects around you and explain their motion.

### BIOLOGY

1. Read and learn ch-1 and ch-2 from book. 2. Prepare a chart on any one cell organelle 3. Learn notes and question answers of ch-1 and ch-2.

**SOCIAL SCIENCE (E.M)** \* Make chart of India \* Make chart of Haryana \* Note weather report day by day and write in your notebook)

\* learn que./ans. \* Note 3 worldwide Historical events particularly day by day

**SOCIAL SCIENCE -: (H.M)** 1) भारत आकार और स्थिति 2) हड़प्पा सभ्यता 3)

भारतीय संविधान

परोक्त तीनों पाठों से 10-10 प्रश्न उत्तर लिखें व तीनों पाठों को याद करें।

परियोजना कार्य- भारत की भौगोलिक स्थिति पर एक रिपोर्ट तैयार करें।

### Computer

Unite -1 Communication skills. Ques./Ans.write & learn

Have a Joyful and safe holidays

Principal