



## SUMMER VACATION HOMEWORK

CLASS -: 10<sup>TH</sup> (TOPPER)

### HINDI

1. नेताजी का चश्मा
2. बालगोबिन भगत
3. लखनवी अंदाज
4. एक कहानी यह भी  
(सभी पाठों के 10-10 छोटे प्रश्न लिखें और याद करें)
5. रचना के आधार पर वाक्य के भेद लिखें और याद करें।
6. लाल डार तेल पर एक विज्ञापन लिखें व याद करें।
7. अपने चाचा को जन्मदिन पर बधाई देते हुए एक बधाई संदेश लिखें और याद करें।
8. अपने मित्र को सत्संगति का महत्व बताते हुए पत्र लिखिए और याद करें।
9. अपने छोटे भाई को समय का महत्व बताते हुए पत्र लिखिए और याद करें।
10. सत्संगति का महत्व पर 150 शब्दों में अनुच्छेद लिखिए और याद करें।
11. अलंकार के भेद पर एक चार्ट बनाएं।

**प्रोजेक्ट :** विज्ञापन स्क्रेपबुक

आपको प्रतिदिन समाचार पत्र पढ़ना है और उसमें आने वाले विभिन्न विज्ञापनों की कटिंग करके एक आकर्षक स्क्रेपबुक तैयार करनी है।

दिशा निर्देश —

आकर्षक कवर पेज

उस पर अपना नाम, कक्षा, रोल नंबर, विषय और प्रोजेक्ट का नाम "विज्ञापनों का संसार" लिखें।

### ENGLISH

Poems: Dust of Snow, Fire and Ice, A Tiger in the Zoo

1. All the Figures of Speech
2. Themes of the Poems
3. Difficult Word Meanings
4. 50 word meanings

A letter to God and Nelson Mandela.

I Write the following letters to the Editor.

1. Environmental Concerns:
2. "Spoken English" in today's World.
3. Problem of stray animals.
4. Excessive use of phones by children
5. Cleanliness (Swachh Bharat): Write in FNB and learn

**Project Work:** Fire and Ice (Robert Frost)

### MATHS

Do Solve the following chapters ( Solve ten sums per day with the date mentioned above)

- \*Real numbers,
- \*Polynomial.
- \*Pair of linear equation in two variables,
- \*Quadratic equation and phase set 1,2

**Revision work :** "Real numbers, Polynomial, Pair of linear equation in two variables, Quadratic equation ( one assignment with ten PYQ from each chapter)

**Activity Card:** Prepare a notebook formulas related to all chapters and a chart of trigonometric Formulae.

### SOCIAL SCIENCE (H.M)

- 1) संसाधन एवं विकास
  - 2) वन एवं वन्य जीवन अभ्यारण
  - 3) जल संसाधन
  - 4) विकास
  - 5) भारतीय अर्थव्यवस्था के क्षेत्र
  - 6) सत्ता की साझेदारी
  - 7) संघवाद
- उपरोक्त सभी पाठों को पढ़ें व याद करें और प्रत्येक पाठ से एक-एक अंक वाले 20 प्रश्न उत्तर अपनी उत्तर पुस्तिका में लिखें।

मानचित्र कार्य..... नदियां, बांध, कृषि की भौगोलिक विशेषताएं, खनिजों का वितरण, पाइपलाइन।

## **SOCIAL SCIENCE (E.M)**

Learn 3 Q/A per day and write in rough notebook.

Make the chart of Drainage system of Himalayan river, Physical features of india.

\*Read news paper daily

\*Note weather report day by day Morning and evening time.

\* Make a project of multipurpose use of water resources.

\*. Read per question from pervious sample question paper or create three questions from us in holiday homework notebook.

## **SCIENCE**

### **PHYSICS**

Assignment questions

1. What is the law of reflection?
2. Define the term "angle of incidence."
3. What is the difference between a real image and a virtual image?
4. What type of mirror is used in a car's rear-view mirror? Why?
5. What happens to the image formed by a concave mirror when the object is placed at the focus?
6. What is the principal axis of a spherical mirror?
7. What is the focal length of a plane mirror?
8. What is the nature of the image formed by a convex mirror?
9. Write the formula for the mirror equation.
10. What is the magnification of an image formed by a plane mirror?
11. What is the center of curvature of a spherical mirror?
12. Why are convex mirrors used as rear-view mirrors in vehicles?
13. What is the nature of the image formed by a concave mirror when the object is placed beyond the center of curvature?
14. What type of image is formed by a plane mirror?
15. What is the relationship between the angle of incidence and the angle of reflection?
16. What is the difference between a concave mirror and a convex mirror?
17. Define the term "pole" in the context of spherical mirrors.
18. What is the formula for magnification in mirrors?
19. What type of image is formed by a convex mirror for all object positions?
20. What is the nature of the image formed by a concave mirror when the object is placed at the center of curvature?
21. What happens to the image formed by a concave mirror when the object is placed between the focus and the pole?
22. Why does a plane mirror always form a virtual image?
23. What is the difference between the focus of a concave mirror and a convex mirror?
24. What is the significance of the radius of curvature in spherical mirrors?
25. How does the size of the image formed by a convex mirror compare to the size of the object?
26. What is the relationship between the object distance and image distance in a concave mirror?
27. Why are concave mirrors used in torches and headlights?
28. What is the difference between the reflection of light on a smooth surface and a rough surface?
29. What is the role of the normal in the law of reflection?
30. How can you experimentally verify the law of reflection?

Prepare a chart on reflection of light.

Make a working model of Periscope

Make an assignment on pin hole camera.

### **BIOLOGY**

1. Read and learn ch-1(Life Processes) from Book
2. Prepare a chart on any diagram from ch-1( Human Heart, Structure of Nephron, Human Respiratory System)
3. Prepare a model on any topic of your syllabus.
4. Prepare complete ch-1 for PT-2.
5. Make a project on " Nutrition and its Type" in detail

# CHEMISTRY

Che:Ch.1 Chemical reactions and equations

Learn notes and Solve ncert exercise and pyqs.

Prepare a neat. And clean chart of reactions, Solve given assignment.

**Have a Joyful and safe holidays**

**Principal**