

**SUMMER VACATION HOMEWORK JUNE 2025****CLASS -: 10TH****Sub: Maths**

Written Work : Solve Ex of given chapters- * Real numbers ,Polynomials ,Pair of linear equation in two variables ,Quadratic equation

Revision work : *Real numbers ,Polynomial ,Pair of linear equation in two variables ,Quadratic equations

ActivityCard : Prepare a notebook of formulas related to all chapters and a chart of trigonometric Formulas ch-8

English-: 1 Write any five letters to the editor.

2 Solve 10 given unseen passages.

3 Write and learn all the word meanings from the lessons 1,2,3 and learn all the questions and answers of these lessons.

4 Make a project of the lesson 'A Letter to God'

Social Studies : EM and HM (Geo) Ch-1 Resource and development .Ch-2 forest and wildlife .Ch-3: water resources

Eco :- Complete Notebook and Learn of Ch-1 Development .**Activity Card** : Prepare a model either on Natural resources, Human resources or Water resources

Hindi : Written and Revision Work -:1 नेताजी का चश्मा, 2 बालगोबिन भगत, 3 लखनवी अंदाज ,4 एक कहानी

यह भी.5 रचना के आधार पर वाक्य के भेद लिखें और याद करें| 6 उषा सिलाई मशीन, लाल डाबर तेल पर एक विज्ञापन तैयार करें.

Write and learn the following letters

7 अपने चाचा को जन्म दिन 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 अनुच्छेद लिखो (150 words) मेरा विद्यालय / मेरा जीवन का लक्ष्य, सत्संगति का महत्व

11 Activity Card :वर्तमान समय में विभिन्न क्षेत्रों में महिलाओं की उपलब्धियों पर एक परियोजना कार्य तैयार करें कार्य को पूरा करने के लिए रंगीन चित्रों का प्रयोग करें

Science :Chemistry-: Learn notes of chapter 1 .Solve and learn NCERT exercise of chapter -1

Activity Card : prepare a chart of reaction related to chapter -1

Bio : Learn ch-1 , Life processes And make at least 30 one word or short question answers from the chapter Life processes in your Holiday Homework notebook.

Solve assignment-1

Prepare a 3D model showing all organs (mouth to anus) with the flow direction of food .

OR

Make a 3D model of respiratory system .

Physics

Practical Learning Activities -: Use a torch to study the formation of shadows. Experiment with objects of different shapes and sizes to observe how the shadow changes.

Creative Task:Draw ray diagrams for the reflection of light in concave and convex mirrors. Include labeled diagrams showing the principal axis, focal point, and center of curvature.

Observation Task:Observe the reflection of light on a shiny surface (e.g., a steel plate or water). Write a short report on how the angle of incidence relates to the angle of reflection.

DIY Activity:Build a simple periscope using mirrors and cardboard. Use it to observe objects around corners and explain the principle of reflection involved.

Research Task:Investigate the working of rear-view mirrors in vehicles. Write a short essay on why convex mirrors are used for this purpose.

Physical Education :- Written and Revision Work (Write que answer of the given lesson and learn for test)

Ch-1 Environmental Health

Ch-2 Food and nutrition

Ch-3 National and Asian games

Ch-4 Patriotism and national integration

Ch-5 Communicable diseases (Test)

Computer :-

Research and write about emerging trends in computer science....AI

Explain the concept of cyber security and its importance on A4 sheet.

Complete your note book of unit 1 to 4 in your FNB

Thorough reading of unit 1, 2, 3 and 4.

Learn unit 1 to 4 complete..

Assignment-

Biology

1. Why is it necessary to separate oxygenated and deoxygenated blood in mammals and birds?
2. What will happen if the small intestine is removed from the digestive system of a human?
3. How does the structure of alveoli help in efficient exchange of gases?
4. Why do herbivores have longer small intestines compared to carnivores?
5. How would the process of photosynthesis be affected if the chloroplasts of a plant cell are damaged?
6. Why does blood flow in arteries under high pressure while in veins it is under low pressure?
7. What is the advantage of having a four-chambered heart?
8. Why do aquatic animals excrete ammonia whereas terrestrial animals excrete urea or uric acid?
9. How is the opening and closing of stomata regulated?
10. Explain how the kidneys help in maintaining homeostasis?
11. Compare the functioning of arteries and veins?
12. What is the function of villi in the small intestine?
13. Describe the path of oxygen from the atmosphere to the tissues?
14. Why is transpiration important for plants?
15. Compare all type of nutrition with examples?.

10 th chemistry assignment

CHEMISTRY

Que.1 what type of chemical reaction takes place when?

- (1) Magnesium wire is burnt in air
- (2) Electric current is passed through water
- (3) Limestone is heated
- (4) Zinc reacts with sulphuric acid to form zinc sulphate and hydrogen

Que.2 what happens when a piece of zinc metal is added to copper sulphate solution?

Que.3 Write reaction when silver metal is added to copper sulphate solution

Que.4 why do we store silver chloride in dark bottle?

Que.5 A green Salt on heating decomposed to produce colourless suffocating gas and leaves behind a reddish brown residue name the salt and write decomposition reaction.

Que.6 Why are some chemicals and medicines stored in coloured bottles?

Que.7 Give one example where corrosion is an advantage rather than a disadvantage

Que.8. Anhydrous copper sulphate was dissolved in one beaker and hydrated copper sulphate was dissolved in another beaker .what heat change do you expect in this because and why

Que.9 A housewife wanted her house to be white washed. She bought 10 kilogram of quick lime from market and dissolved it in 30 litre of water on adding lime to water she notice that the water started boiling even when it was not being heated. Give reason for her observation write the chemical equation and name the product form from this reaction.

Que.10.Why greenish deposit is found on copper vessel in rainy season?