**BIRLA PUBLIC SCHOOL,PILANI (RAJ.)**

**X (PHYSICS)**

**SUMMER VACATION ASSIGNMENT**

**Write justified answers of following questions :**

1. What do you mean by power of accommodation of human eye?

 2. Explain the blue colour of sky?

 3. Why do stars twinkle?

4. The sun is seen a few minutes before actual sunrise and after actual sun set. Explain why?

5. Draw a neat diagram to show the dispersion of light when passed through a glass prism

6. a) What is hypermetropia? How is it caused? How can it be corrected? Explain with the help of a diagram

 b) What is Myopia? How is it caused? How can it be corrected? Explain with the help of a diagram

 **7. PLEASE MAKE ONE WORKING PROJECT AND ITS REPORT**

 **BASED ON LENSES OR MIRRORS.**

 **8. COLLECT THE INFORMATION ABOUT THE USES OF MIRROR**

 **AND LENSES IN OUR DAILY LIFE AND MAKE A SHORT REPORT.**