



DAV Public School, CRRC, Medical Road, Gaya

Summer Vacation Homework (2025 – 2026)

Class : XII (Science)

ENGLISH

1. Complete your English notebook in all respect.
2. Write notice and invitation (formal and informal)
3. Write debate on the topic 'Is war ever justifiable'
4. Draw a pictorial presentation of the poem 'My Mother at 66'.

BIOLOGY

Solve the following question in a separate thin copy.

1. Draw a diagram of a matured microspore of an angiosperm. Label its cellular components.
2. What is Pollen pistil interaction and how is it mediated?
3. In angiosperms, zygote is diploid while, primary endosperm cell is triploid. Explain.
4. Explain two ways by which apomictic seeds get developed.
5. Explain embryo formation in Dicot with the help of diagram.
6. What are the main factors affecting the phenomena of crossing over and linkage?
7. Why are grasshopper and *Drosophila* said to show male heterogamety? Explain.
8. Explain the cause and symptoms of Down's syndrome.
9. Why is haemophilia generally observed in human males? Explain the conditions under which a human female can be haemophilic.
10. Write a short note on thalassemia.

PHYSICS

Write Questions / Answers of Chapter – 1 (Gauss's law -state and prove. Applications of Gauss's law) & Chapter - 2 (Superposition principle of Electric Potential)

CHEMISTRY

Write Questions / Answers of Ch – 01 (Solutions) and Ch – Electrochemistry upto taught portion from NCERT book.

MATHEMATICS

1. Relations and functions 20 questions
2. Matrices. 20 questions
3. Determinant – 10 questions

PHYSICAL EDUCATION

1. Write Questions / Answers of all taught chapters.

INFORMATION TECHNOLOGY

1. Write Q/Ans of Unit – 03 (Java Programming)
2. Learn Q/Ans of Ch – 03.