



P.N NATIONAL PUBLIC SCHOOL

JUNGLE DHUSHAN, PIPRAICH ROAD, GORAKHPUR-273001

SUMMER VACATION ASSIGNMENT (2026-2027)

CLASS-X

PHYSICS

- 1- Draw all the ray diagrams for image formation by a concave and convex mirror.
- 2- Write use of concave mirror and convex mirror.
- 3- Solve any five numerical based on spherical mirrors.

4- CHEMISTRY

- 1- Draw a labeled diagram of periodic table 1 to 118 elements.

BIO

- 1- Difference between autotrophic and heterotrophic nutrition with suitable examples.
- 2- Draw and explain the human digestive system. Also explain the role of liver and pancreas.
- 3- Explain the process of photosynthesis with neat and clean diagram.

MATHS

- 1- Self-assessment Exercise of real number and polynomial.

ENGLISH

- 1- Prepare a "case file" for any one character from-

- A letter to god
- Triumph of surgery

Include-:

- Character sketch
- Strengths and weakness
- Evidence from the chapter

- 2- Write a letter to the editor rising case of pet neglect and overfeeding.

Include-: Problems faced by pets, Importance of responsible ownership, Suggestions for awareness.

SOCIAL SCIENCE

- 1 Prepare a project on power sharing Or German unification.
- 2 Prepare an assignment on disaster management.

हिंदी

प्रश्न - आपके क्षेत्र में सफाई कर्मचारी के नियमित रूप से न आने के कारण बहुत गंदगी फैल गई है। इसकी शिकायत करते हुए नगर निगम के स्वास्थ्य अधिकारी को एक पत्र लिखिए। प्रश्न - अपने क्षेत्र में नए बस-मार्ग आरम्भ करने के लिए दिल्ली परिवहन निगम (डी.टी.सी.) के महाप्रबंधक को पत्र लिखिए।

ARTIFICIAL INTELLIGENCE

- 1 Draw Quarky on an A4 page and paste it on notebook and explain its components in detail. (You can take a help of stempedia website)
- 2 Explain intelligence and type of human intelligence.