



ST. XAVIER'S HIGH SCHOOL Patna

Holiday Home Work

Class- 12-E ISC 2023-2024

Subject- English Literature

Complete the assignment given (Boards)

Write the answers of drama, poetry and prose upto the part taught in the workbook.

Subject- English Language

Complete the assignment given (Boards)

Total English- Chs. 2-10

Vocabulary learn

Solve the question papers (grammar part) of the years, 2011, 2012, 2013, 2014 in the book.

Subject- Physics

Compulsory Work: All students have to solve following exercise questions from NCERT book chapter ELECTRIC CHARGE AND FIELDS

1.1, 1.2, 1.9, 1.16, 1.19, 1.20, 1.21, 1.22, 1.23

and

Following projects, which are based on activity, assigned in group. You can use internet and other reference book H C Verma, Resnick Halliday, S L Arora etc

Roll No.	Projects
01-05	To study the tangent Galvanometer
06-10	To study dielectric material and its applications
11-15	To study the concept of the full wave rectifier bridge
16-20	To study the AC to DC converter
21-25	To study the phenomena of total internal reflection and fiber optics
26-29	To study the phenomena of superconductivity

NOTE: Kindly avoid plagiarism. Do it yourself. Submit handwritten on plane A-4 sheet



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Subject- Chemistry

Q.A. Write question-answers of review exercise of chapter- 2 & 6 in the notebook.

B. Prepare the project in the project(bio) file from the following topics by choosing any one:

1. Synthetic polymers : Structure, Characteristic properties and uses.
2. Natural polymers : Structure, Characteristic properties and uses.
3. Thermoplastics and thermosetting plastics : Methods of preparation , characteristics and uses.

Subject- Biology

1. Learn and revise the topic being taught.
2. Do exercises of ch-3 and ch-4 in your bio homework copy.
3. Biology project [10 marks]- select any one topic-
 - a. Genetic disorders
 - b. DNA Fingerprinting
 - c. Cancer
4. Draw well labelled diagram and write unit 4 spotting (a) Identify and comment on permanent slides.

Subject: Mathematics

Topics:

1. Determinants: Solve all question from self-Assessment
(pg no. 41 to 44)
2. Matrix: Solve all question from self-Assessment (pg no. 95 to 98)
3. Inverse trigonometry fuction (ITF): Solve all question from
Self-Assessment (pg no. 45 to 46)

Project: Draw the graph of

$$y = \sin^{-1} x, \cos^{-1} x, \tan^{-1} x, \cot^{-1} x, \sec^{-1} x, \operatorname{cosec}^{-1} x$$

(All inverse trigonometry fuction).

- Demonstrate the concept of mirror line (about $y=x$) and find its
Domain and range.

Note: Project should be handwritten and graph paper must be used. Do not use computer copy.



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Subject: Computer Science

Complete all the exercises of chapter 12

(from page 555 to 567)

Subject: SUPW

Make cards for teachers day

