



# ST. XAVIER'S HIGH SCHOOL PATNA

## Holiday Home Work-2026-2027

### Class- 12 'E' ISC

#### Subject- English Literature

Complete the three board assignments given. Complete the Objective questions of the chapters taught in the respective workbooks. Complete the short and long subjective question answers in your respective literature copies. Revise everything taught

#### Subject- English Language

Complete the board assignments given.

Complete chs 2 to 6 (Grammar & Comprehension) in Total English book and the writing section (any one essay from each practice paper & directed writing) in composition copy. Learn the vocabulary (1<sup>st</sup> term).

Revise everything taught.

#### Subject- Physics

Solve all the Numericals of Your Text Book ( Balaji ) :-

Chapter: - 1st (Electric Charges and Field)

Chapter: - 2<sup>nd</sup> (Electrostatic Potential Energy and Capacitance) and

Read Chapter: - 3<sup>rd</sup> (Current Electricity) and make Notes of this chapter and Prepare

a project on the given topic.

Roll No.	Projects
01-09	HYDROPOWER PROJECT
10-18	USE AND IMPACT OF RECYCLE MATERIALS IN THERMAL INSULATION
19-27	COLOURS WITH LONG AND SHORT WAVELENGTHS
28-36	MEASURING THE SPEED OF LIGHT OR CHANGING THE SPEED OF LIGHT
37-45	TOTAL INTERNAL REFLECTION PHENOMENON
46-54	SOLAR COOKER PROJECTS :- STUDY THE PRINCIPLES OF SOLAR ENERGY CONVERSION AND COOKING
55-last	WIRELESS ELECTRICITY TRANSMISSION :- EXPLORE THE CONCEPT OF TRANSMITTING ELECTRICAL ENERGY WITHOUT WIRES

☎ 0612-2219563

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## Subject- Chemistry

### A. Practice solutions and electrochemistry numerical questions

### B. Project Work

#### Roll No. 1 to 10.

1. Amino acids: Peptides, structure and classification, proteins structure and their role in the growth of living beings.

#### Roll No. 11 to 20.

2. Nucleic Acid: DNA and RNA – their structure. Unique nature. Importance in evolution and their characteristic features.

#### Roll No. 21 to 30.

3. Carbohydrates and their metabolism, Blood - haemoglobin and respiration.

#### Roll No. 31 to 40.

4. Vitamins and hormones

#### Roll No. 41 to 50.

5. Simple idea of chemical evolution.

#### Roll No. 51 to last roll no..

6. Natural polymers (any **five**) - structure, characteristics, uses. Synthetic polymers (any **five**) - method of preparation, structure, characteristics and uses.

## Subject- Biology

1. Complete the long answer questions of ch4 and ch-5 in your bio homework copy.

2. Complete the following experiments in your bio lab manual -

Unit 1- Experiment 1 of family 1,2,3,4,5.

Unit 3- Experiment 1, experiment 2.

Unit 4 - spotting

(a) Identify and comment on permanent slides.

Animal specimen - Ascaris(male and female)

3. Make the Boards project. Topics given according to the roll numbers -

i. Genetic disorder - roll no 7,8,11,17,18

ii. Human population - 20,23,26,28,33

iii. Drug addiction and community- 45,47,50,51,53

iv. Cancer- 56,57,60.

4. Learn and revise the chapters being taught.

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## Subject: Mathematics

1. Solve the following questions from ML Aggarwal book.

Ex 1.2 - Q 7, 15, 22

Ex. 1.3 - Q 31

Ex. 1.4 - Q 12

Ex. 1.5 - Q 8

Ex. 2.2 - Q 4, 5, 12

Ex 3.4 (all)

Ex 4.4 - Q 1 to 5, 22, 25

3. Note- complete the board project assigned to you.

4.

## Subject: Computer Science

Complete assignments of

- Proposition including K-map
- Class design Board Based
- Inheritance Board based

## Subject- Economics

1. Project Work: Complete the board-prescribed projects strictly as per the syllabus.

2. Revision: Solve last 10 years' board questions from all chapters covered.

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