

CH. CHHABIL DASS PUBLIC SCHOOL



SUMMER VACATION HOMEWORK

SESSION 2025-26

CLASS XII(SCIENCE)

Physics

Q 1. Do the given assignment. (Chapter 1, 2 and 3).

Q2. Write the given Activities in Physics lab manual. Three from Sec A and three from section B.

Section A

1. To assemble a household circuit comprising three bulbs, three (on/off) switches, a fuse and a power source.
2. To assemble the components of a given electrical circuit.
3. To draw the diagram of a given open circuit comprising at least a battery, resistor/rheostat, key, ammeter and voltmeter. Mark the components that are not connected in proper order and correct the circuit and also the circuit diagram.

Section B

4. To identify a diode, an LED, a resistor and a capacitor from a mixed collection of such items.
5. To observe refraction and lateral deviation of a beam of light incident obliquely on a glass slab.
6. To observe diffraction of light due to a thin slit.

Q3. Investigatory Project (Typed and Spiral)

COMPUTER SCIENCE

Prepare Mysql Practical File According To The Questions Given Below:

- Create a student table with the student id, name, and marks as attributes where the student id is the primary key.
- Insert the details of a new student in the above table(at least 10 records).
- Delete the details of a student in the above table.
- Use the select command to get the details of the students with marks more than 80.
- Find the min, max, sum, and average of the marks in a student marks table.
- Find the total number of customers from each country in the table (customer ID, customer Name, country) using group by.
- Write a SQL query to order the (student ID, marks) table in descending order of the marks
- Write a SQL query to display the marks without decimal places, display the remainder after dividing marks by 3 and display the square of marks
- Write a SQL query to display names into capital letters, small letters, display first 3 letters of name, display last 3 letters of name, display the position the letter A in name
- Remove extra spaces from left, right and both sides from the text – " Informatics Practices Class XII "
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- Display day name, month name, day, day name, day of month, day of year for today's date

revise database concepts , mysql and networking for pmse

Chemistry.

- 1- Solve NCERT exercise questions of chapter 6, 7 and 8
 - 2- Complete allotted chemistry project on the basis of instructions given to you in class
 - 3- Complete chemistry practical file
 - 4- Prepare amines(Ch-9) and solution(Ch-1) in advance.
 - 5-Learn name reactions, reasoning and distinction test from handouts already provided to you of all chapters of organic chemistry
 - 6-Prepare conversion from handouts
- (Take proper diet and rest, protect yourself from heat waves).

BIOLOGY:

1. LEARN THE FOLLOWING CHAPTERS:
 - a. SEXUAL REPRODUCTION IN FLOWERING PLANTS
 - b. HUMAN REPRODUCTION
 - c. REPRODUCTIVE HEALTH
 - d. PRINCIPLES OF INHERITANCE AND VARIATIONS
 - e. MICROBES IN HUMAN WELFARE
 - f. ECOSYSTEM
 - g. BIODIVERSITY AND CONSERVATION
2. WRITE ANSWERS OF THE QUESTIONS GIVEN IN NCERT TEXT BOOK IN NOTE BOOK OF THE ABOVE CHAPTERS.
3. PREPARE PROJECT REPORT ON THE ASSIGNED TOPIC.

English

Choose

1. any two factual/ descriptive/ literary unseen passages
2. any two case-based unseen passages with verbal/visual inputs like statistical data, charts etc. from the latest study material available in reference books or internet.

Paste the passages in Writing Skills register . Solve them.

Revise the words added in MY WORD BANK.

Revise Literature chapters studied till now.

Complete the ALS PROJECT WORK as instructed

Economics

1. Revise the following chapters.

INDIAN ECONOMIC DEVELOPMENT

Ch 1- Indian economy on the eve of independence

Ch 2- Indian economy (1950-1990)

MACROECONOMICS

Ch. 1 - Circular flow of income

Ch. 2 - Basic concepts of macroeconomics

Ch. 3 - National income and related aggregates

Ch. 4 - Measurement of national income

Ch. 5 – Money and Banking

2. Attempt NCERT Questions of above mentioned chapters in holiday home-work note-book.

3. Attempt last three years board questions of above mentioned chapters in holiday home-work note-book.

4. Learn High Order Thinking Questions of above mentioned chapters.

5. Prepare a project file on any one of the topic given as per CBSE syllabus in the suggestive list of projects. The list and guidelines for the same has already been shared and discussed in the class.

Marking Scheme For the Project:

Marks are suggested to be given as-

| S.No. | Heading | Marks Allotted |
|-------|---------------------------------|----------------|
| 1. | Relevance of the topic | 3 |
| 2. | Knowledge Content/Research Work | 6 |
| 3. | Presentation of Topic | 3 |
| 4. | Viva-voce | 8 |
| | Total | 20Marks |

4. Project file and holiday home-work Note-book are to be submitted by 7thJuly 2025.

Psychology

1. Maintain a Practical File.
2. Maintain a Project File.

Format of Practical File

1. Cover Page
2. Acknowledgement
3. Certificate
4. Index

I. Introduction to Psychological testing

- What is Psychology?
- Goals of Psychological Enquiry
- Steps of Scientific Research
- Methods in Psychology
 - a) Observation Method (Types of Observation, Advantages and limitations of Observation)
 - b) Experimental Method (Concept of Variable, Experimental & Control group and types of experimental method, advantages and limitations of experimental method)
 - c) Interview (Types of interview method, Advantages and limitations of interview)
 - d) Psychological Tests (Characteristics of Psychological Test, types of tests, advantages and limitations of Psychological tests and uses of Psychological tests)

II. Practical

Format of Project File (Case Study File)

1. Cover Page
2. Acknowledgement
3. Certificate
4. Index

I. Case Study

- Introduction to Case Study
- Advantages and disadvantages
- Ethical Issues II. Case Study on Psychological Disorders
 - Preliminary Information
 - Presenting Problems/Complaints
 - Psychiatric/Social/Medical history (if any)
 - Case Conceptualization/Case formulation
- a) Explain disorder
- b) Perpetuating factors

- c) Causal factors
- d) Strengths and assets
- e) Diagnosis (ICD-10, DSM-5)
- f) Treatment plan

- Conclusion

- References Note:

❖ Do this work on A4 size/file size sheet (white one side ruled or interleaf).

❖ Use only black and blue pen while writing content.

Comm.Art.

- 1.) Make a borders 3 meter (L-3 meter w-5 inch) with handmade sheets or through painting. Take any geometrical pattern, Warli art, Madhubani.
- 2.) Handmade greeting card with handmade sheets or through painting colour (Size according to your greeting card theme).

Music

- परिभाषा
- जीवन परिचय
- तानपुरा
- संगीत रत्नाकर
- समय सिद्धांत राग का
- राग भैरव
- तराना
- स्वरमलिका
- आलाप
- तान
- तालें
- जून 2025 / 26

PHYSICAL HEALTH & EDUCATION

THEORY PART

Q1= Draw the fixture of 17 team on knock basis and 7 team on cyclic and Tabular basis

Method.

Q2= Discuss the function of management and committees and responsibilities of inter school competition.

Q=3 Explain all postural deformities with corrective measure including asanas.

Q4= Briefly explain about female Athlete Traid and special consideration (Menarche and Menstrual dysfunctional)

Q5= Discuss any five diseases and elaborate the procedure , benefits of any 12 asanas.

Q6 = Elaborate the concept of disability and various strategies to make and benefits of physical activities for CWSN.

Q7= write a detailed note on Deaflympics,Paralympic and Special Olympic.

Q8= All students have to make 4 case study based questions in each chapter with options.

PRACTICAL PART

1- physical fitness test: SAI KHELO INDIA TEST and BROCKPORT PHYSICAL FITNESS

TEST (BPFT)

2. Proficiency in any one games and sports

3. Yoga

MATHEMATICS

- Maths activities to be done in practical file.
- Worksheet of Relations and Functions
- Worksheet of Inverse Trigonometric Functions
- Worksheet of matrices.
- Worksheet of determinants.

INFORMATICS PRACTICES

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