

OM PUBLIC SCHOOL, GOHANA
SUMMER HOLIDAY'S HOMEWORK
CLASS XII

ENGLISH

- **Make mind –maps of the following chapters:** Covering each significant aspect/point of the lesson.
- The Last Lesson
 - Lost Spring (separate for each part)
 - Deep Water
 - My Mother at 66
 - Keeping Quiet

(This is an Art Integration Project)

Do on A-4 size sheet.

- Pen –Portrait the following characters in 150-200 words .(A-4 size sheet)
- Charley (Third Level)
 - Jilani Jung Bahadur
 - Dr.Sadao Hoki
 - Any Grey Character that you have read/watched recently.
- Do/Solve unseen passages 1-5 in Module of BBC Compacta
- Do/Solve 96-100 & 120-126 Of Module 2
- Solve the other set of Pre-Mid Term Exam. Soft copy will be forwarded in the group.

PHYSICS

1. Revise all chapters of NCERT part-II
2. Solve all the NCERT exemplar questions of part-II.
3. Write 4-4 experiment and 3-3 activities in Physics practical file in proper order (as discussed in class)
4. Prepare a diagrammatically report/ PPT/ Chart/ Flow chart etc.on working of the following devices:
 - I. X-ray machine
 - II. Micro wave oven
 - III. Photo cell
 - IV. Solar cell
 - V. LASER Surgery
 - VI. RADAR
 - VII. Nuclear Reactor
 - VIII. Electric vehicle (EV)
 - IX. LED (light emitting diode)
 - X. DTH service

CHEMISTRY

- To solve all the intext and exercise questions of first Book of NCERT chemistry book.
- To collect or download 5 last year question papers.
- To prepare an investigatory report on the topic given....(Roll No. Wise)

Few suggested Projects.

1. Study of the presence of oxalate ions in guava fruit at different stages of ripening.
2. Study of quantity of casein present in different samples of milk.
3. Preparation of soyabean milk and its comparison with the natural milk with respect to curd formation, effect of temperature, etc.
4. Study of the effect of Potassium Bisulphate as food preservative under various conditions (temperature, concentration, time, etc.)
5. Study of digestion of starch by salivary amylase and effect of pH and temperature on it.
6. Comparative study of the rate of fermentation of following materials: wheat flour, gram flour, potato juice, carrot juice, etc.
7. Extraction of essential oils present in Saunf (aniseed), Ajwain (carum), Illaichi (cardamom).
8. Study of common food adulterants in fat, oil, butter, sugar, turmeric power, chilli powder and pepper.

Note: Any other investigatory project, which involves about 10 periods of work, can be chosen with the approval of the teacher

- To learn new skills during summer break and make a small video(30 seconds) on it.
- To read the book “THE MINDSET- THE NEW PSYCHOLOGY OF SUCCESS ”

MATHS

Do chapter wise assignment in separate notebook with solution.

Write 15 experiment in maths lab manual.

Design a family tree define relation and functions.

Do practice all graphs of ITF.

BIOLOGY

1. Revise all chapters done upto now
2. Solve the given assignment of Chapter 4
3. To complete your practical file.
4. Visit a garden , click photos of Insect pollinated flowers , Write their scientific names and paste them on a chart along with their name.
5. To prepare project report of any topic given in your syllabus.
6. To draw all diagrams of all chapters done upto now in a separate notebook.

ACCOUNTANCY

- Do additional questions of partnership firm (chapter 1to 5)
- Prepare project report of accounts for board exam as per CBSE guidelines.

BUSINESS STUDIES

- Prepare notes of unit 9 to 12
- Learn units 4 to 8 with case studies
- Prepare project report of business studies for board exam as per CBSE guidelines.

HOLIDAY HOMEWORK

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POLITICAL SCIENCE

PROJECT WORK:

Prepare a project file on the topic of your syllabus according to given sequence.

- End of Bipolarity. (Roll no. 1 to 5)
- Era of one party dominance (Roll no. 6 - 10)
- Contemporary Centres of Power (Roll no. 11-15)
- United Nations and its organisation (Roll no. 16-25)
- India's Foreign policy (Roll no. 26 -30)
- The Crisis on democratic order (Roll no.31-32)
- Globalization
- Project file should be hand made with the :

- Cover page having the school logo , school name , student's name , class & section , name of the topic and name of the teacher.

- Title Page with name of the Topic

- Acknowledgment

- Preface

- Index
- Content (Explained with the help of Pictures and maps)
- Conclusion
- Bibliography

READING AND WRITING WORK:

Read boxes, tables, articles carefully and frame 8-10 questions (mcqs, very short, one word etc.) along with their answers from each page of the following chapters.

Book -1(Contemporary World Politics book)

- ☐ CHAPTER : 1 to 4

Book -2 (Politics in India since independence)

- ☐ CHAPTER: 1 to 6

HISTORY

- Do learning & written practice of 8 Questions of 3 marks (4 from each chapter 3 and 4)
- Do learning & Written practice of 4 Questions of 8 marks (2 from Each chapter 3 and 4)
- Prepare any one project from the given topic on A4 size sheet (maximum 25 Pages)

FEW SUGGESTIVE TOPICS FOR PROJECT

1. The Indus Valley Civilization-Archaeological Excavations and New Perspectives
 2. The History and Legacy of Mauryan Empire
 3. "Mahabharat"- The Great Epic of India
 4. The History and Culture of the Vedic period
 5. Buddha Charita
 6. A Comprehensive History of Jainism
 7. Bhakti Movement- Multiple Interpretations and Commentaries.
 8. The Mystical Dimensions of Sufism
 9. Global Legacy of Gandhian Ideas
 10. The Architectural Culture of the Vijayanagar Empire
 11. Life of Women in the Mughal Rural Society
 12. Comparative Analysis of the Land Revenue Systems Introduced by the Britishers in India
 13. The Revolt of 1857- Causes; Planning & Coordination; Leadership, Vision of Unity
 14. The Philosophy of Guru Nanak Dev
 15. The Vision of Kabir
 16. An Insight into the Indian Constitution
 17. Comparative Study of Stupas and Pillar Edicts
 18. Comparative Study of Mughal and Vijayanagar Architecture
- Steps involved in the conduct of the project: Students may work upon the following lines as suggested
1. Choose a Title/Topic
 2. Need of the Study, Objective of the Study

3. Hypothesis

4. Content -Timeline, Maps, Mind maps, Pictures, etc. (Organization of Material/Data Present Material/Data)

5. Analysing the Material/Data for Conclusion

6. Draw the Relevant Conclusion

7. Bibliography

2. Expected Checklist for the Project Work:

1. Introduction of topic/ title

2. Identifying the causes, events, consequences and/or remedies

3. Various stakeholders and effect on each of them

4. Advantages and disadvantages of situations or issues identified

5. Short-term and long-term implications of strategies suggested during research

6. Validity, reliability, appropriateness, and relevance of data used for research work and for presentation in the project file

7. Presentation and writing that is succinct and coherent in project file

8. Citation of the materials referred to, in the file in footnotes, resources section, bibliography etc

Project Format

1. Cover Page (Title, Name, Roll No., School, Year)

2. Acknowledgement

3. Certificate

4. Index

5. Introduction

6. Statement of Purpose / Research Question

7. Objectives of the Study

8. Research Methodology (sources used – primary/secondary)

9. Project Content / Research Findings

10. Analysis and Interpretation

11. Conclusion

12. Bibliography

13. Appendices (if any)

Tips for Project

- Use maps, charts, timelines, and illustrations wherever relevant.
- Use handwritten format unless otherwise instructed.
- Maintain clarity and coherence in presentation.

GEOGRAPHY

1. Prepare a folder of mapwork as per CBSE syllabus 2025-26.

2. Find out 25 MCQ from each chapter.

3. Solve previous year question paper in separate notebook.(2015 to 25)

4. Make a project on Beti Bachao Beti Padhao programme. (Roll no.1to15)

5. Make a project on bharatmala scheme.(Roll no. 15 onwards)
6. Make a project on swachh Bharat mission(Ruby section Students)
7. Make a chart of classification of industries.(secondary activities)
8. Make a chart of service sector.(Tertiary and Quarternary activities)

PSYCHOLOGY

TASK 1: Psychological Profile – “Know yourself”

Chapter Link: Chapter 2 – Self and Personality

instructions:

- Take any **3 psychological theories** (e.g., Big Five Traits, Freud’s structure of personality, Self-concept scales).
- Apply them to yourself and prepare a **1-page psychological self-profile**:
 - Your personality traits
 - Strengths/weaknesses
 - Any defense mechanisms you notice in yourself

Be honest and thoughtful — this is a reflection activity, not an evaluation.

TASK 2: Stress Survey at Home

Chapter Link: Chapter 3 – Meeting Life Challenges

Instructions:

- Prepare a **5-question survey** on stress (types, sources, and coping strategies).
- Ask **3–5 people at home** to respond (can include parents, siblings).
- Analyze:
 - Common stressors
 - Coping styles used
 - Your suggestions using textbook strategies (problem-focused or emotion-focused coping)

🔗 TASK 3 Sample Paper Practice

- **Solve 1 full sample paper which include questions only from syllabus that’s done in class. (Choose from CBSE website).**

Summarize each chapter in **bullet points**:

- Key definitions
- Main theories & psychologists
- Diagrams from ch-1,2,3,4
- **Disorders with symptoms (Chapter 4) make a comparison table**

ECONOMICS

1. To practice all numerical of unit 1 (macroeconomics)
2. To learn all NCERT and HOTS questions of Indian Economic Development. Chapter-1,2,3
3. To revise image based questions and case based questions from both books.
4. To learn all MCQ from Macro Economics and Indian Economic Development
5. To solve all given Assignment of Macro Economics and Indian economic development .
6. To frame MCQ questions content based from both books.
7. To solve both sets of pre-mid term exam in your notebook.

PHYSICAL EDUCATION

Chapter 1: Management of Sporting Events

Task: Plan a mini sports event at your home or colony (like cricket, kabaddi, or a relay race).

Write steps for planning: time, place, rules, invitation, team names, etc.

Add photos if you conduct it or draw how it would look.

Chapter 2: Children and Women in Sports

Task: Interview your mother/sister/neighbor/aunty about how they were involved (or not) in sports.

Ask why women often don't play or stop playing sports.

Suggest 5 ideas to improve women's participation in sports.

Chapter 3: Yoga

Task: Do 1 yoga pose daily from 1 June to 30 June and prepare a video of 40 seconds .

Use simple poses like Tadasana, Bhujangasana, or Vajrasana.

Task: Interview a sports coach, PE teacher, or fitness trainer.

Ask them how their career started, and what they love most about their job.

Write the answers on project file- A4 size colour sheets.

Task: List 5 different careers in physical education (example: physiotherapist, referee, personal trainer).

Write a paragraph with (100-150 words) on what they do.

Practical File work

Practical 1-physical fitness test khelo India test and BPF Test.

Practical 2-procedure for asanas benefits and contraindication for any two asanas lifestyle disease.(Hypertension, asthma back pain, Arthritis.)

Practical-3 Do anyone IOA recognised game of choice (basketball ,kho kho, volleyball)

Note-use pencil for making diagram.

Handwriting should be neat and clean.

I.P

1. Search 10 IT Personalities and write in brief (at least 3-4 lines) about them in your notebook.
2. Search about the project in python and MySQL connectivity on any one topic given i.e Student record keeping system, library management System, hotel reservation system, Hospital management system , railway reservation system, inventory control system etc. and write the coding in a notebook.
3. To learn and do practice to create : Series and Data Frames in different ways.
4. Create a Data frame Student having columns : sid sname, dob, Engmarks, Mathmarks, Scimarks using any two methods and do practice of following operations at least 10 times : -
Add new Rows and new columns, Display Rows and columns, delete any row or any column, change the index value, change the name of a field/fields , apply different statistical functions etc.
5. To do practice of python programs of ch-1 and ch-2 (including NCERT Q.'s)
6. To revise and do practice of MYSQL commands covered in class 11th.
7. To read Ch- 4 and learn what is csv file and what is the use of csv file ? How it is created ?
8. To learn exercise Q's (mcq's) of ch-1,2,3.

MUSIC

Raga Bhairav, Notation [Write 2 times]

Raga Bageshwari, Notation [Write 2 times]

Raga Matkosh, Notation [Write 2 times]

Write Dhamar, Tarana and Bada khyal from any one Raga [Write 2 times]