

Dr. Virendra Swarup Education Centre, Jajmau, Kanpur
Summer Holiday Homework (2024-25)
Class 12th

CHEMISTRY: Do all the numerical of chapters 1&2 from NCERT in Chemistry Notebook

- Solve the worksheet of Chapter 1 and Chapter from NCERT in the Chemistry Notebook.
 - Prepare an investigatory Project related to the topics of the current Syllabus of chemistry.
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PHYSICS: Solve **NCERT** exercises of following chapters in separate notebook.

- Electric Field and dipole
- Electrical Potential and Capacitance
- Electrical resistance and Ohm's law.

Design a Model stating the function of gears in mechanics such that when a driving wheel completes one rotation, the driven wheel completes three rotation. Also describe the function of driven wheel and driving wheel.

MATHEMATICS: Do chapters from **NCERT**

- Relations and functions
 - Inverse Trigonometric functions
 - Matrices
 - Determinants
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BIOLOGY: Do **NCERT exemplar** Questions of following topics in separate notebook.

- Principle of inheritance and variation.
- Human reproduction.
- Sexual reproduction in flowering plants.
- Reproduction health.

2. Prepare a Working/3-D innovative model for science exhibition. (Model should be based on an innovative solution for any problem of your society/environment which should be cost-effective and eco-friendly with no side effects)

3. **Innovative Corner**: Bring an innovative idea for "**INSPIRE AWARD SCHEME**".

COMPUTER: Do the exercises/questions(In Practical Book only) of the following chapters given in Practical Book of Computer Science.

- Python Revision Tour – I
 - Python Revision Tour – II
 - Working with Functions
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ENGLISH:

1. Write a report on:(Any One)

- The book fair organized in your School recently.
- Sports day celebration in your school.
- A road accident you witnessed while coming home.

2. Write a job application with bio data for:(Any One)

- The post of accountant in a reputed company. Attach your bio data.
- For the post of mathematics in St. Stephens public School.
- For the post of Computer operator in a reputed company.

3. Write a letter to the editor on:(Any One)

- Increasing number of road accidents due to stray animals.
- Unannounced power cut in your locality.
- Increasing awareness for child rights and abolition of child labour.

4. Write a formal invitation for:(Any One)

- The annual sports meet to be organized in your School.
- Inviting chief guest in the annual day celebration in your school.
- Write a reply sending your acceptance for attending the annual function as a chief guest.

5. Write an article on:(Any One)

- Child labour.
- Environmental pollution and global warming.
- Conservation of wildlife.

6. Write a notice for:(Any One)

- Blood donation camp.
- Inter school football match.
- Meeting of student council with the principal.

General Instructions:

1. Use Black waterproof ink.
2. Project should be written in neat handwriting.
3. Take care of paragraphing, punctuation marks and spellings. Paragraphs should be indented.
4. Use neatly covered hardboard file.
5. Page sequence should be strictly followed as : - Cover page, Acknowledgment, Index,

Written assignment of 1000-1500 words,

which should be structured as given below:

A. The written assignment must be given a title in the form of a question to explore the drama or the chosen

short stories/poems in depth.

B. The written assignment must follow the structure given below:

- Introduction: - Explanation of the question that has been framed - Reason for choosing the text - Brief explanation of how you intend to interpret the chosen text and literary materials used in the process.
- Main Body – organised and well-structured treatment of the question using appropriate sub-headings.
- Conclusion – comprehensive summary of the points made in the main body.

PROJECT WORK: (Any One)

1. The social evil of child labour in India with reference of lost spring lives of children like Saheb and Mukesh. Describe the condition of slums in India using pictures. Initiative against child labour by India government and various NGO's. The child labour Prohibition and Regulation Act, 1986. Ways to eliminate child labour.
2. The lesson 'The Third Level' talks about Charley finding an escape from the stress and anxiety of the modern world to another time period of peace and prosperity. If you were in Charley's place which time period would you like to travel to, in order to escape the stress and anxiety of the modern world. Why? Describe the place using pictures.

हिंदी:

ग्रीष्मकालीन अवकाश गृह कार्य

रचनात्मक कार्य

क. 'असफलताएं जीवन प्रक्रिया का स्वाभाविक अंग है' निम्न विषय पर लगभग 120 शब्दों में रचनात्मक लेख लिखें ।

ख. छात्र को आत्मनिर्भर बनाने में आवासीय विद्यालय की भूमिका निश्चित करते हुए लगभग 120 शब्दों में रचनात्मक लेख लिखें ।

परियोजना कार्य

क. पत्रकारीय लेखन के विभिन्न रूप और लेखन प्रक्रिया के महत्व को स्पष्ट करते हुए चित्रात्मक परियोजना तैयार करें ।

ख. "भक्तिन" पाठ को आधार बनाकर नारी सशक्तिकरण पर चित्रात्मक परियोजना तैयार करें।

ग. सरकारी सौर ऊर्जा परियोजना का वर्णनात्मक अध्ययन करते हुए चित्रात्मक परियोजना बनाएं ।

घ. महादेवी वर्मा या हरिवंश राय बच्चन जी का साहित्यिक व्यक्तित्व एवं कृतित्व पर प्रकाश डालते हुए आकर्षक चित्रात्मक परियोजना तैयार करें।