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PROJECTS/ASSIGNMENTS 2025-2026

CLASS XI

CHEMISTRY

TOPICS FOR THE PROJECT:

1. Amino acids: Peptides, structure and classification, proteins structure and their role in the growth of living beings.
2. Nucleic Acid: DNA and RNA – their structure. Unique Nature: Importance in evolution and their characteristic features.
3. Carbohydrates and their metabolism, Blood-hemoglobin and respiration
4. Vitamins and hormones
5. Simple idea of chemical evolution
6. Natural polymers (any five)-structure, characteristics, uses. Synthetic polymers (any five) method of preparation, structure, characteristics and uses.
7. Types of Dyes- methods of preparation, characteristics and uses.
8. Chemicals in medicines: antiseptics, antibiotics, antacids, etc. and their uses.
9. Preparation of soap, nail polish, boot polish, varnish, nail polish remover, shampoo and perfumes.
10. Chemicals and chemical processes in forensic studies.
11. Insecticides, pesticides and chemical fertilizers.
12. Ancient Indian medicines and medicinal plants.
13. Organic Chemistry in Nutrition, Food Science and Biotechnology.
14. Effect of Green House Gases.
15. How Plastics have changed the world, both socially and economically.

INSTRUCTIONS FOR PROJECT:

1. Use interleaved punch sheets. Write atleast 40 pages for the project.
2. You are already given a particular topic to write, please follow it.
3. Topic page or Front Page & Assessment sheet
4. Acknowledgement
5. Index or Content Page
6. Introduction
7. Body of the project
8. Conclusion
9. Bibliography

BIOLOGY

TOPICS FOR THE PROJECT:

1. HIV-AIDS
2. Tissue Culture
3. Photosynthesis in plants
4. Genetic Engineering

5. Enzyme and its mechanism
6. Mutation
7. Morphology of flowering plant
8. Patent and copyright
9. Biopiracy
10. Biomolecules
11. Cancers
12. Recombinant DNA technology
13. Genetically modified organism
14. Nomenclature of enzymes
15. Biological Classification
16. Viral disease
17. Microbiology and its application

INSTRUCTIONS FOR PROJECT:

1. You are already given a particular topic to write, please follow it.
2. Write atleast 20 pages for the project.
3. Hard Bound files should be used.
4. Use white chart paper to cover followed by cellophane.
5. Topic page or Front Page & Assessment sheet
6. Acknowledgement
7. Index or Content Page
8. Introduction
9. Body of the project
10. Conclusion
11. Bibliography

PHYSICS

TOPICS FOR THE PROJECT

1. Solve 10 Numerical of Dimensional Analysis.
 2. Solve 10 Numerical from Unit
 3. Solve 10 Numerical of Significant figures and Error Analysis
 4. Solve 10 Numerical of Vector Analysis
 5. Draw the formula sheets of Mathematics and Physics as given in the Physics Book
- (A) Mathematical Formula Sheet from Chapter Mathematical Tools.
- (B) Physics Formula Sheet from Chapter Dimensional Analysis.

INSTRUCTIONS FOR PROJECT:

1. Use interleaved punch sheets. Write atleast 40 pages for the project.
2. Assessment sheet, Acknowledge and index.
3. Paste colorful diagrams on punch sheet.
4. Cover project file with sky blue chart paper along with cellophane.
5. Paste a colorful college logo at middle of cover page.
6. Write your name and Roll no. below college logo.

MATHEMATICS

TOPICS FOR THE PROJECT:

1. Draw graph of the following functions:

- a) $y = x^2 + 2x + 1$
- b) $y = x^2 + 4x + 9$

2. Do chapter test of Complex Numbers

3. List all formulae of Trigonometry

Note: Use Separate register for this work. Cover it with black chart paper.

INSTRUCTIONS FOR PROJECT:

1. Use interleaved punch sheets. Write at least 25 pages for the project.
2. Topic page or Front Page & Assessment sheet
3. Acknowledgement
4. Index or Content Page
5. Introduction
6. Body of the project
7. Conclusion
8. Bibliography

COMPUTER

ASSIGNMENT ON THE GIVEN TOPICS:

In a separate register, write at least 5 programs of each of these:

1. String Manipulation
2. Arrays
3. Functions

INSTRUCTIONS FOR PROJECT:

1. Use interleaved punch sheets. Write at least 25 pages for the project.
2. Topic page or Front Page & Assessment sheet
3. Acknowledgement
4. Index or Content Page
5. Introduction
6. Body of the project
7. Conclusion
8. Bibliography

HINDI

TOPICS FOR THE PROJECT:

- 1- पुत्र प्रेम कहानी के प्रसिद्ध लेखक मुंशी प्रेमचंद के जीवन परिचय पर प्रकाश डालते हुए पुत्र प्रेम कहानी के उद्देश्य को स्पष्ट कीजिए तथा इस कहानी में एक व्यक्ति की हृदयहीनता को किस प्रकार दर्शाया गया है? कहानी के मुख्य पात्र के चरित्र-चित्रण पर प्रकाश डालिए।
- 2- आधुनिक युग में विज्ञापन का बढ़ता हुआ प्रभाव।
- 3- 'आषाढ़ का एक दिन' अंक दो तक पढ़ें। **गद्य संकलन** में पाठ-1, 2, 3 पढ़ें व समझें।

COMMERCE

ASSIGNMENT DETAILS

1. Assume you are starting a partnership firm with your friend/friends. Develop a business plan covering the following aspects:
 - Formation of this partnership firm – rules and steps that would be followed including the partnership deed, Choice of types of partners involved and your justification for the same.

2. Study real time cases in which organizations did not show responsibility towards investors/ consumers/ employees/ government/ community. Take at least two such cases. For each case prepare a report based on the following:

- A brief about of the case.
- Different issues involved in the case.
- Who was at fault and why?
- What should the company have done to stand by the business ethics?
- Do you agree with the company's viewpoint? Give reasons.

3. Collect newspaper/magazine clippings of five cases filed by consumers in the Consumer Court. Find out the rights violated, and the redressal mechanism used. What was the outcome of each case?

4. Visit a commercial Bank. Find out the procedure to open a savings account.

Find out the details of various Agency & General utility services provided by the bank.

INSTRUCTIONS FOR PROJECT:

1. Use interleaved punch sheets. Write at least 25 pages for the project.
2. Topic page or Front Page & Assessment sheet
3. Acknowledgement
4. Index or Content Page
5. Introduction
6. Body of the project
7. Conclusion

ACCOUNTS

ASSIGNMENT DETAILS

Project 1: Journal entry

Objective:

Students are required to complete Problem No. 1 under the topic heading "Project Work Problems" from ISC Accountancy Class XI Vol.: I (by DK Goel & Rajesh Goel, APC Publications). The focus will be on:

- Meaning of journal entry
- format of journal
- Numerical of journal entry

Structure:

1. Introduction: Provide an overview of the topic.
2. Problem Statement: Write Problem No. 1 from the prescribed book.
3. Solution: Solve the problem as per the instructions.
4. Conclusion: Summarize what you learned by solving the problem.

Project 2: Ledger and trial balance

Objective:

Students are required to complete Problems No. 7 and 8 under the topic heading "Project Work Problems" from ISC Accountancy Class XI Vol.: I (by DK Goel & Rajesh Goel, APC Publications). The focus will be on:

- Ledger
- Trial balance

Structure:

1. Introduction: Provide an overview of the topic.
2. Problem Statement: Write Problems No. 7 and 8 from the prescribed book.
3. Solution: Solve the problems as per the instructions.
4. Conclusion: Summarize what you learned by solving the problems.

INSTRUCTIONS FOR PROJECT:

1. Use interleaved punch sheets. Write at least 25 pages for the project.
2. Topic page or Front Page & Assessment sheet
3. Acknowledgement
4. Index or Content Page
5. Introduction
6. Body of the project
7. Conclusion
8. Bibliography

ECONOMICS**ASSIGNMENT DETAILS**

Project 1: Economics and types of economy

Objective:

This project on economics and its types of economy must cover the following key topics:

1. Meaning of economics
2. Definition of economics
3. Types of economy system
4. Production possibilities curve

Structure:

1. Introduction: Briefly introduce the topics.
2. Research: Conduct research on the given key points and create your project based on the findings.
3. Conclusion: Summarize the key findings and insights from the analysis.

Project 2: central tendency

Objective:

To define all formulas and questions

Structure:

1. Define mean with all series
2. Median individual discrete and continuous series
3. Mode all numerical

INSTRUCTIONS FOR PROJECT:

1. Use interleaved punch sheets. Write at least 25 pages for the project.
2. Topic page or Front Page & Assessment sheet
3. Acknowledgement
4. Index or Content Page
5. Introduction

6. Body of the project
7. Conclusion
8. Bibliography

ENGLISH PROJECT

Select any one of the topics from the list given below. The chosen topic is to be produced in 500 words.

1. The text of a brochure.
2. A product description.
3. A process description (for e.g. Instruction to operate a device, a recipe, a scientific experiment)
4. Description of a sporting event.
5. An autobiographical experience.
6. Review of a television serial

INSTRUCTIONS FOR PROJECT:

1. Topic page or Front Page & Assessment sheet
2. The topic is to be covered in 1500 words.
3. Hard bound file should be used
4. Use White chart paper, covered neatly with cellophane
5. Acknowledgement
6. Index or Content Page
7. Introduction
8. Body of the project
9. Conclusion
10. Bibliography

Orals and Aural will be conducted as class activity in the month of September and then attached with the project.

ASSIGNMENT:

Specimen papers 1-10

All questions to be done except Q. 2 (a) which is based on directed writing.

GEOGRAPHY

TOPICS FOR THE PROJECT:

(Any one from the given two topics)

(i) Choose any island area of the world or India and:

(a) Trace the map of the area and show physical features, towns and port cities.

(b) Prepare a project report using photographs and pictures from brochures and magazines to show:

- Its origin and formation
- Soil types, vegetation
- Human occupations

(ii) Any natural hazard like drought, flood, erosion, landslides, etc. in a local area.

Choose a natural hazard in the local area. Describe the nature of damage by consulting newspaper reports, studies, and interviews with local people. Identify the nature of damage before and after land, building, public property, soil, vegetation, animals, etc. What are the chances of it occurring again and what precautions are being taken?

INSTRUCTIONS FOR PROJECT:

1. Topic page or Front Page & Assessment sheet
2. Project should not be less than 20 pages
3. Project should be covered with black chart paper followed by cellophane.
4. Acknowledgement
5. Index or Content Page
6. Introduction
7. Body of the project
8. Conclusion
9. Bibliography

NOTE-YOU HAVE TO DO YOUR PROJECT IN PUNCHED PAPERS IN A FILE.

- Supplement your projects with hand drawn diagrams, colored photographs, pie charts, bar graphs, hand drawn maps, tables etc.
- They should be within a frame and also the page should have border on all 4 sides
- These should be done in the left side of your punched sheet.
- You have to hand draw maps, graphs, chart diagrams.
- For diagrams only pencils to be used.

For writing only a BLUE and a BLACK pen to be used.

HISTORY

TOPICS FOR THE PROJECT:

Choose any one of the topic from the following:

1. Contribution of Moderate leaders in the struggle for freedom
2. Emergence of Colonial Economy
3. First World War
4. Depression in USA and Japan

INSTRUCTIONS FOR PROJECT:

1. Topic page or Front Page & Assessment sheet
2. Project should not be less than 30 pages and not more than 35pages
3. Cover the project with black chart paper followed by cellophane.
4. Acknowledgement
5. Index or Content Page
6. Introduction
7. Body of the project
8. Conclusion
9. Bibliography

POLITICAL SCIENCE

TOPICS FOR THE PROJECT:

Choose any one of the topics from the following:

1. Right to Freedom and Role of Media
2. U.S. Dominance in World Politics in the Post Cold War Era.
3. Relevance of United Nations and its role in Unipolar World

INSTRUCTIONS FOR PROJECT:

1. You should write minimum 20 pages.
2. Hardbound file should be used
3. Use black chart paper covered neatly with cellophane.
4. Acknowledgement
5. Index or Content Page
6. Introduction
7. Body of the project
8. Conclusion
9. Bibliography