

Don Bosco Sr. Sec. School
Holiday homework Class –12 (Sci)

Subject- Chemistry

1. Revision of notes and textbooks:

- Go through your chemistry notes and textbooks from the past year.
- Summarize key concepts and formulas in your own words.
- Make flashcards to help you remember important terms and concepts.

2. Practice problems and past exams:

- Practice solving chemistry problems from your textbook or online resources.
- Attempt past exam papers or sample questions to assess your understanding.
- Focus on areas where you need improvement.

3. Project

- Make project report in any one topic with proper explanation

Subject- physics

Project Work:

- Prepare a project report on the practical applications of capacitors in modern electronics.
- Create a model demonstrating the working of a simple electric circuit, including series and parallel connections.

Research Assignments:

- Research and write an essay on the historical development of electrostatics and its impact on modern science.
- Study the different types of capacitors used in electronic circuits and present your findings.

Practice Papers:

- Solve at least 3 previous years' question papers on Electrostatics and Electric Current to get familiar with the exam pattern
- Prepare a project report on the practical application of resistors and its combination in modern science
- Prepare a project report on the practical application of kirchoffs rule in modern electronics
- Solve at least 3 previous years question papers on electric potential and capacitors

- Solve at 3 previous year question papers on electric current, kirchoffs rule and Wheatstone bridge.
- Write all the formulas of unit 1 and 2 twice time in notebook

Subject – Biology

1. Research Assignment: prepare a presentation on a specific aspect of human reproduction, such as fertilization, pregnancy, childbirth, or reproductive health issues.

2. case studies involving reproductive health issues or ethical dilemmas related to human reproduction. Ask them to analyze the cases and propose solutions or ethical considerations.

Q 3. On a black hanging chart draw and label any diagram from your book with white paint.

Subject – Physical Education

Project file work:- Make one project for any game of your choice.

☞ Basketball

☞ Football

☞ Handball

☞ Kho- Kho

☞ Volleyball

☞ Cricket

☞ Kabaddi

You choice any one game and write tha game ☞

UNIT -1

📄 Front page

📄 Certificate

📄 Acknowledgement

📄 Content

History of the game/ sports

Latest Rules

specifications of play fields and related sports equipment

Fundamental skills

Related sports terminology

UNIT-2

Important tournament and venues

sports personalities

Sports Awards

Proper sports gear and its importance

Common sports injuries & its Prevention

Specific Exercises of Warm-up and Conditioning

CBSE sports and its organizational Set-up

Teacher's Remark

Subject – Hindi

कक्षा-१२

जनसंचारकेसमस्तसाधनोंकाएककोलाजतैयारकीजिए

सामाजिकउत्तरदायित्वविषयपर 200 शब्दोंमेंभाषणलिखिए

ग्रीष्मआकाशमेंआपकिसीनकिसीस्थलपरभ्रमणकरनेजाएंगेवहांजोदृश्यआपकेमनपरअमितछापछोड़ेंगेउनमेंअपनीएककलमकासाधुचलतेहुएकविताकाअर्थयात्रावृत्तांतकीजिए

कवितायात्रावृत्तांतस्वरचितहोना चाहिए

नोट-कार्य A4 सीटपरकरें

Subject – Maths

1. Relations

2. Functions

3. Continuity and Differentiability

1 To verify that the relation R in

The set L of all lines in a plane,

Defined by $R = \{(l, m) : l \parallel m\}$ is

An equivalence relation.

2. To demonstrate a function

Which is one-one but not onto.

3.To find analytically the limit of a

Function $f(x)$ at $x = c$ and also to

Check the continuity of the

Function at that point.

Questions of NCERT Book of every chapter

Subject – English

Read and learn the whole syllabus of English covered in the class.

Literature:

Read “A Thing of Beauty” and analyze the use of symbolism in the poem.

Write an article on the theme of dreams as portrayed in the chapter “Going Places”.

Make a chart on any poet, author, dramatist, novelist, or any topic of grammar such as tenses, parts of speech, figures of speech, modals, subject-verb agreement, determiners, narration, active-passive voice, etc.

Additional Activities:

Research Paper:

Students will select one of the following common social issues and write a research paper on it. The best research paper will be uploaded on the school website and receive a prize.

Poverty

Gender Equality

Climate Change

Mental Health Awareness

Education for All

Child Labor

Human Rights

Cyberbullying

Substance Abuse

Unemployment

Poem Writing and Recitation Competition:

In the month of July, there will be a poem writing and recitation competition. Students will write their own poems, and the best poem will receive a prize.

Presentation:

Students will make a PowerPoint presentation on any social issue or grammar topic as a subject enrichment activity. Presentations should be prepared in a professional manner.

Thoughts and Slogans:

All students will bring 5 printouts of different thoughts and slogans for the improvement of English.

We hope you find these activities both enjoyable and educational. Have a great holiday!

Best Regards,

Subject – Computer Science

Prepare a REPORT FILE :-

1. 15 python program
2. SQL QUERIES – minimum 5 sets using one / two tables
3. Minimum 4 programs based on python- SQL connectivity

Subject –Informatics practice

Prepare a Practical file :-

1. 15 program based on Pandas
2. 4 program based on Matplotlib
3. 15 SQL QUERIES