DAV Public School, CCL, Kathara

Jharkhand zone -I

Durga Puja Holiday Homework

Class-XI- B

Subject- Biology

1. Why is cell the basic unit of life?
2. Define cell theory ? Describe the cell theory in brief.
3. What is the fluid mosaic model of the plasma membrane?
4. Complete the practical record copy for coming practical examination.

5.Answer all of the Question Paper of Half Yearly Exam,2025
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Subject- Chemistry

1. First Terminal portion of NCERT In Text questions answer writing in HW copy and learning.
2. All important definitions with example write and learn (in HW copy).
3. First terminal examination question paper model answer, write and learn.

4.Complete the practical record copy for coming practical examination.

5. All mathematical expression write (in HW copy)and learn.

Subject- Painting

1. write a note on Ajanta Caves painting- •Origin and development,

Main Centre, Types of caves and Importance

2. practical-- • Still-life (Using pencil shading)

• Composition- Colourful

      •Railway station

      •Any Indian Festival

      • Gandhi jayanti

      • Cleanliness awareness

3. What do you know about Our National Emblem with diagram

4. Solve all the questions and Make a proper note based on half -yearly painting exam.

Subject- Physical Education

1. Mention the list of Dronacharya award from 2023 to 2025.

Explain any one personality related to this award in the chart paper.

2. Draw and label any one game with ground specification in the chart pa

3. per.(According to **Syllabus)**

Subject- English

1.Do all the questions of the literature section of Term 1 exam in copy.(Only Literature section) SUBJECT – MATHEMATICS

SUBJECT -MATHEMATICS

Mathematics Project: Sets and Venn Diagram (Survey Based)

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Make a cover page or First page for your project file which includes: Name of school, Project heading Name, Subject Name ,Subject Teacher Name, and at the bottom of page your name with class ,section ,and Roll number.

Introduction

Sets are well-defined collections of objects. In mathematics, sets are used to represent and analyze groups of data. Venn diagrams are pictorial representations of sets that help us understand relationships such as union, intersection, and complement. In this project, we will conduct a simple survey and represent the data using sets and Venn diagrams.

Survey Conducted

A survey was conducted in Class XI to find students who like Cricket, Football, and Hockey. The following data was collected (assumed values, can be modified with real survey data):

• 15 students like Cricket

• 10 students like Football

• 8 students like Hockey

• 5 students like both Cricket and Football

• 3 students like both Football and Hockey

• 4 students like both Cricket and Hockey

• 2 students like all three games

Representation Using Sets
Let: C = Set of students who like Cricket
F = Set of students who like Football
 H = Set of students who like Hockey The data is represented in a Venn diagram with three intersecting circles.
Space to draw/paste a Venn diagram here.

Analysis

From the Venn diagram, we can calculate:

1. Number of students who like only Cricket = 15 - (5 + 4 - 2) = 8
2. Number of students who like only Football = 10 - (5 + 3 - 2) = 4
3. Number of students who like only Hockey = 8 - (3 + 4 - 2) = 3
4. Number of students who like all three = 2
5. Total number of students suryeved = 8 + 4 + 3 + 5 + 3 + 4 + 2 = 29

(The distribution can be checked with the diagram.)

Conclusion

Sets and Venn diagrams are powerful tools to represent and analyze data. They are useful not only in mathematics but also in statistics, computer science, and real-life decision making. Through this survey, we observed how sets can be applied to represent students' interests and overlap between them.

Subject -Physics

1. Solve question answer of 1st term examination of physics 2025

2. Prepare a chart of all formulas of chapter up to 1st term

3. solve different numerical of different chapter up to 1st term.

Subject -Hindi

1.अर्धवार्षिक परीक्षा के प्रश्न पत्र में से प्रश्न संख्या 8, 9, 11, 12 और 13 के उत्तर गृह कार्य उत्तर -पुस्तिका (H.W. COPY)में लिखें। अर्धवार्षिक परीक्षा के प्रश्न पत्र में से प्रश्न संख्या 8, 9, 11, 12 और 13 के उत्तर गृह कार्य उत्तर -पुस्तिका (H.W. COPY)में लिखें।

Subject - Computer Science

1. Write any 10 Python program.Write in Practical Copy