



DAV PUBLIC SCHOOL, SASARAM

H.A. & P.W. for Diwali & Chhath VACATION 2025-26

CLASS - XII

ENGLISH

1. Illustrate the social discriminations with reference to the story, 'Memories of Childhood'.
2. Animals have the same flesh and blood as humans have. Elaborate it with reference to the story 'The Tiger King'.
3. Write an article on 'Brain-Drain'.

Physical Education

Prepare Practical Notebook

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| Practical no- 1. | Khelo India fitness test |
| Practical no- 2. | Game -Any One (Volleyball, Badminton, Football, Table Tennis, Basketball, Kho -Kho, Kabaddi, Judo, Boxing, TAEKWONDO, WUSHU) |
| Practical no- 3. | Tow Lifestyle Disease Curing by two Aasana -Procedures, Advantage & Disadvantage or Contradiction |

THEORY - Answer from long question in Textbook Chapter 10 Training in sports

Maths

1. Draw the sketch for the curve $y = 2 + |x + 1|$, using integration, find the area of region bounded by the curve $y = 2 + |x + 1|$, $x = -4$, $x = 3$ and $y = 0$
2. Solve the Differential equation $x^2 y dx - (x^3 + y^3) dy = 0$
3. If $\vec{a} = 2\vec{i} + \vec{j} - \vec{k}$, $\vec{b} = 4\vec{i} - 7\vec{j} + \vec{k}$, find a vector \vec{c} such that $\vec{a} \times \vec{c} = \vec{b}$ and $\vec{a} \cdot \vec{c} = 6$

Chemistry

Unit 09 amins

Q. 9.8 , 9.9 and 9.11 from exercise.

PHYSICS

Make a investigatory project (on any of given topic)

1. studying wireless power transmission
2. investigating the working of a rectifier or a transformer,
3. exploring sound wave principles like resonance like speed of sound
5. analyzing optical phenomena such as diffraction
6. the photoelectric effect,
7. examining electromagnetism through experiments with generators
8. electromagnets,
9. studying semiconductor devices like LDRs
10. PN junction diodes

Biology

1. Describe Kreb's cycle and Glycolysis.
2. Describe Calvin Cycle.
3. Describe C4 cycle.
4. Describe cyclic and Non-cyclic photo photophosphorytation.

AI

1. Create a Data Frame for 6 students with columns: Name, Maths, Science, English, Computer. Fill it with sample marks.
Add a new column Total which is the sum of marks of all subjects.
2. The marks of 30 students in a Maths exam are as follows
[45, 67, 56, 78, 88, 92, 61, 54, 77, 69, 82, 73, 64, 58, 81, 70, 66, 59, 74, 85, 68, 72, 60, 79, 90, 55, 63,

Tasks:

Create a Python program to plot a histogram of these marks.

Use bins = 6.

Label the x-axis as "Marks" and y-axis as "Number of Students".

Give the chart a title: "Distribution of Maths Marks".

Economics

1. Write the components of Domestic Income (NDP_{fc}). Explain its steps.
2. Write the components of Final Expenditure (GDP_{mp}). Explain its steps.
3. Write the concept of 'Value Added Method'. Explain its steps.