



DAV PUBLIC SCHOOL, SASARAM

H.A. & P.W. for SUMMER VACATION 2025-26

CLASS - XII

English

1. How were the parents and M. Hamel responsible for the children's neglect of the French language?
2. Justify the title of the lesson 'The Lost Spring'.

Physics.

A: Prepare a short video of Demonstration project on any one of the following topics from XII class curriculum and make a report explaining the theory behind the working and its graphical analysis.

Note: You can use software tools (If available) & also analyze the outcome graphically after uploading video and further using it to interpret the results/outcomes.

Biology

- A. Describe Gametogenesis in Human Male & Female.
- B. Describe Menstrual Cycle with graph.
- C. Draw and explain the Structure of Ovule in flower.

Chemistry

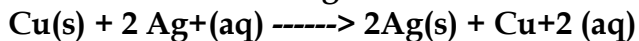
1. Define electrochemical cell. What happens when applied external potential becomes greater than E°_{cell} of electrochemical cell?

2. Following ions are given :- Cr^{+2} , Cu^{+2} , Cu^{+1} , Fe^{+2} , Mn^{+3}

Identify the ion which is

- a) A strong reducing agent
- b) Unstable in aqueous solution
- c) A strong oxidising agent

3. Consider the following reaction :-



- I) Depict the galvanic cell in which the given reaction takes place.
- II) Give the direction of flow of current.
- III) Write the half cell reactions taking place at cathode and anode.

Maths

Do relation and function ; inverse trigonometry function ; matrices and determinant by side book

IP

Write short notes on:

Data Structure in Python, DataFrame, Series, and My SQL Function, Group by and Order by Clause in My SQL with examples.

Physical Education

- 1 . What do you mean by sports management ? Explain the parts of sports management**
- 2 . Mention the calculation and steps involved the draw of knockout fixture of 19 teams, where 4 teams are to be seeded.**
- 3 . What is league tournament ? Draw a fixture of 9 teams on the basis of league. Explain the British method to declare the winner.**
- 4 . Define good posture .What are its advantages ?**
- 5 . Describe female athlete Triad. Explain the symptoms and causes .**
- 6 . What do you mean by posture deformities ?Describe the posture deformities.**
