DAV PUBLIC SCHOOL, SASARAM

Diwali and Chhath Vacation H.A

Class– XI (Science & Comm.)

ENGLISH

- Prepare a report on the celebration / function held in your school.
- Compare the experience of Gangadharpant with the narrator's experience discussed in the Silk Road.
- Throw light upon the message of 'Mother's Day'.

PHYSICS

Make a Investigatory project on following topics:

- Variation of 'g'
- General Mathematical formula of Differentiation & Integration.
- Real life example of physics.

CHEMISTRY

- Chapter 8
- Exercise Questions: 30, 31, 32, 33 and 34.

MATHS

- A group consists of 4 girls and 7 boys. In how many ways can a team of 5 members be selected if the team has:
  (i) No girls?
  (ii) At least one boy and one girl?
  (iii) At least three girls?
- Find the image of the point (3, 8) with respect to the line x + 3y = 7 assuming the line to be a plane mirror.
- If the perpendicular from the origin to the line y = mx + c meets it at the point (-1, 2), find the value of m and c.

BIOLOGY

Explain cyclic and non- cyclic Photo phosphorylation.
Explain C_3 and C_4 photosynthetic pathway.

ACCOUNTANCY

- Chapter: Financial Statements
- Solve Questions No. 12 to 18.

BUSINESS STUDIES

- Prepare a project on “Sources of Business Finance”.

Economic

HA- Topic (Household Consumption & Expenditure Survey)

1. Collect monthly expenditure data from 10 households.
2. Classify expenditure into food, education, transport, health and entertainment.
3. Prepare a frequency distribution table.
4. Calculate the average monthly expenditure.

Represent the data through a pie chart.
Analyse which category receives the highest expenditure

ARTIFICIAL INTELLIGENCE

- Different between NLP, NLU AND NLG
- Explain the different types of operators in Python with suitable examples of arithmetic, relational, logical and assignment operators.