

**DELHI PUBLIC SCHOOL, JAMMU**  
**HOLIDAYS HOMEWORK**  
**SESSION 2022-23**

**CLASS XII**

**SUBJECT: PHYSICS**

**“We cannot solve problems by using only the same kind of thinking we used when we created them.”**

Prepare a **Project** and a **Project Report** .

**General Guidelines:**

- The project chosen should be from any one of the topics from XII class curriculum. Some of them are listed below:
  - (i) Electromagnetic Induction
  - (ii) Diffraction of light
  - (iii) Light Dependent Resistor
  - (iv) Electroscope
  - (v) Eddy currents
  - (vi) Transformer
  - (vii) Logic gates
  - (viii) Rectifier
  - (ix) Photo diode
- You can also choose any one from the suggested investigatory projects recommended by the CBSE.
- Report of your project should be neatly written and should be according to the format mentioned below.
  - ❖ Name /Title of the project
  - ❖ List of components used along with their specifications
  - ❖ Theory/ Principle behind the working of project
  - ❖ Related diagrams
  - ❖ Working in detail /procedure
  - ❖ Further modifications (if any) can be done
  - ❖ Bibliography

**Rubrics :**

1. Project Report Content – 4 marks
2. Project - 4 marks

3. Timely submission – 2 marks

HAPPY HOLIDAYS  
STAY HEALTHY AND SAFE