

KAMLA NEHRU HR. SEC. SCHOOL (CBSE) 2023-24
Diwali Holiday Home Work – Science (Class-XII)

(11-11-2023 to 18-11-2023)

ENGLISH

- 1) Prepare a questionnaire for an Interview of any politician, actor, actress, Principal, mother, writer, poet, etc...and ask 10 questions and write their responses. It should cover interest, hobby, challenges, works etc.
- 2) Submit a report on the topic - "Joyous Diwali with family and friends" for the school magazine.
- 3) Complete project work.

ARTIFICIAL INTELLIGENCE

- Q1. How to analyse storytelling through data using map and graph? Give one example.
- Q2. Prepare 10 questions for the train chatbot.

PHYSICAL EDUCATION

- Q1. Prepare the Physical Education practical file for annual exam as per the CBSE guideline

COMPUTER SCIENCE

- Prepare practical file with all 15 Python programs.

PHYSICS

1. Complete investigatory Project file

MATHS

1. Explain position vector and direction cosine graphically
2. Define type of vectors
3. Represent graphically a displacement of 40km, 30° west of South.
4. Prove that for any two vectors \vec{a} and \vec{b}

$$\vec{a} + \vec{b} = \vec{b} + \vec{a}$$

CHEMISTRY

- Q1. Write all naming reactions and mechanism from organic chemistry.

BIOLOGY

1. What are the disadvantages of fire crackers on environment (animals & plants), write your observations.
2. Complete your project files and submit.

NOTE: Project file & Practical File must be completed as per instruction given by Teachers

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