DAV PUBLIC SCHOOL, CANTT.AREA, GAYA JEE

Diwali & Chhath Puja Homework, 2026-27

CLASS - X

हिंदी

1. 'आत्मकथ्य'' शीर्षक कविता का भावार्थ अपनी भाषा-शैली में लिखें।
2. 'मैं क्यों लिखता हूँ' शीर्षक पाठ के आधार पर स्पष्ट करें कि किसी कवि या लेखक के लिखने के प्रमुख कारण कौन कौन से हैं?
3. सभ्यता और संस्कृति में क्या अंतर है? तर्क पूर्ण उत्तर दीजिए।
4. दीपावली त्योहार की बधाई देते हुए अपने मित्र के पास संदेश लिखें।।
5. हिंदी पाठ्यक्रम के अनुसार पूर्वाध्यापित पाठों के प्रश्नोत्तर याद करें।
6.हिंदी परियोजना कार्य - भारत के किन्ही दस सुप्रसिद्ध संगीतकारों का जीवन वृत सचित्र तैयार करें।

ENGLISH

Project :

Design a Creative Poster
Prepare an attractive poster based on the theme:

"True Happiness Lies in Contentment, Not in Possessions." Your poster should include:
- An appropriate slogan.
- A meaningful illustration.
- A short message inspired by the story.
- An attractive colour combination.

1. How can Buddha's teachings be applied to modern life, where people often struggle with loss, disappointment and emotional stress?

MATHS

1. MATHEMATICS ACTIVITIES
(i) To find the sum of the first n natural numbers.
(ii) To verify the Basic Proportionality Theorem (BPT) for a triangle.
2. WORKSHEET
Solve the CBSE Sample Question Paper2026, issued by CBSE on a separate sheet.
- You may skip questions from the chapters that are still uncovered in class.

NOTE:
Activities should be completed neatly in the Mathematics Activity File.
Worksheet questions should be solved on separate sheets.

SCIENCE

PHYSICS

1. A concave mirror is used as a shaving mirror. Explain why the image formed is virtual and magnified when the face is placed between the pole and the principal focus. Draw a suitable ray diagram.
2. A convex lens of focal length 20 cm is used to form an image of an object placed 30 cm in front of it.
   (a) Calculate the image distance using the lens formula.
   (b) Determine the nature and magnification of the image.
   (c) What happens to the image if the object is moved towards the optical centre?
3. A concave lens is always used to form a virtual and erect image of an object. Justify this statement using a ray diagram. Also explain why the image formed is always diminished.
4. A person is unable to see distant objects clearly because the eyeball has become elongated.
   (a) Identify the defect of vision.
   (b) State two possible causes of this defect.
   (c) Name the type of lens used for its correction.
   (d) Draw the ray diagram showing its correction.

5. Why does a star appear to twinkle, whereas a planet generally does not twinkle? Explain the phenomenon responsible for this observation.

Chemistry

Write down the first five members of homologous series of alcohol, aldehyde, carboxylic acid and ketone family also write down their structural formula.

Biology

Prepare a project file (in a stick file) on different types of asexual reproduction.

SOCIAL SCIENCE

1. Discuss the steps which helped to promote print culture in China.
2. From where and how print come to Japan and become popular?
3. Mention the causes for decline of manuscripts.
4. Define political party and also mention the components of a political party.
5. Explain the major functions of a political party.
6. Write a note on all National Political parties with their symbols.
7. Discuss the major challenges faced by the political parties.
8. What steps had been taken by different organs of government to reform political parties?

SANSKRIT

(अनुप्रयुक्तव्याकरणम्)

प्र.1. 'उपपद तत्पुरुषस्य ' पञ्च उदाहरणानि लिखत।

प्र.2. 'त्व' एवं 'मतुप्' प्रत्ययस्य पञ्च-पञ्च उदाहरणानि लिखत।

(रचनात्मकं कार्यम्)

प्र3.स्वजन्म समारोहे मित्रम् आमन्त्रयितुम् एकं निमन्त्रणपत्रं लिखत।

प्र.4. विषयद्वयमधिकृत्य संस्कृतभाषायाम् अनुच्छेदं लिखत :-

(क)दीपावलीः (ख)ब्रह्मचर्यम् (ग)संस्कृतभाषायाः महत्त्वम् (घ)सदाचारः

IP / IT / AI

Write python programming on the following Topics in Practical Copy

1. Inputs and outputs - 2 program
2. Conditional statements -3 program
3. Loop / iteration -3 program
4. Dictionary -3 program
5. List -3 program
6. Tuple -3 program
7. Matplotlib - 2 program
8. NumPy - 2 program

Note: - write notes on above topic in one paragraph then write program on each topic.



Happy Diwali & Chhath Puja