[SUMMER-ASSIGNMENTS-2023-24]
[GRADE-X]

*NOTE: Students need to mention their name, section, class, roll number on their assignments.

ENGLISH

1. You have just read poems of Robert Frost. Make a detailed project on this American poet highlighting:
   a. Biography with his Photograph
   b. Award and recognition
   c. Legacy and cultural influence.
2. Prepare a portfolio with the following:
   a. My Introduction
   b. My strengths
   c. I need to improve on.
      (Both the tasks should be done in a Practical Notebook)

HINDI

1. भक्ति काल के किन्ही पाँच कवि / कवियित्री की किन्ही दो रचनाओं को अर्थ सहित लिखें एवं उनसे सम्बंधित चित्र अनिवार्य रूप से चिपकाएँ तथा उनका संक्षिप्त जीवन परिचय लिखें |
2. मानवीय अंगों से सम्बंधित किन्ही 50 मुहावरों को अर्थ सहित लिखें |
   (नोट: दोनों कार्यों के लिए प्रैक्टिकल नोटबुक का प्रयोग करें |)

SOCIAL SCIENCE

In a bio file (of around 30 pages), prepare a project on the topic 'Consumer Awareness.' Various forms of art may be integrated in the project work. Mention your name, admission number, subject and topic on the cover.

SCIENCE

1. Write an assignment on Human Digestive System. (Points to be included- Definition, Digestive Organs, Digestive Enzymes, Process of Digestion with coloured diagram and page border in a separate file on A4 pages).
2. Prepare a tabular display of all cases of image formation by concave mirror, convex mirror, concave lens and convex lens.
3. Identify any ten chemical reactions taking place around you and write the corresponding balanced chemical equations and mention their types.

MATHEMATICS

ACTIVITY 1: To find the HCF of two numbers experimentally based on Euclid Division Lemma

ACTIVITY 2: To draw the graph of a quadratic polynomial and observe: (i) The shape of the curve when the coefficient of x^2 is positive. (ii) The shape of the curve when the coefficient of x^2 is negative. (iii) Its number of zeroes.

ACTIVITY 3: To verify the conditions of consistency/ inconsistency for a pair of linear equations in two variables by graphical method.

ACTIVITY 4: To obtain the solution of a quadratic equation ($x^2 + 4x = 60$) by completing the square geometrically.

ACTIVITY 5: To identify Arithmetic Progressions in some given lists of numbers (patterns).

ACTIVITY 6: To find the sum of first n natural numbers

ACTIVITY 7: To find the sum of the first n odd natural numbers.

ACTIVITY 8: To find the sum of the first n-even natural numbers.

ACTIVITY 9: To establish a formula for the sum of first n terms of an Arithmetic Progression.

ACTIVITY 10: To verify the distance formula by graphical method

INFORMATION TECHNOLOGY

Q1. Explain operating system. Write various operating system and explain its functions.

Q2. Write all the qualities of successful Entrepreneur and explain all the myths about Entrepreneurship.

Q3. Define DBMS & Referential integrity. Write all the types of relationship with example and diagram.

All the question answer should be submitted in Bio file only.

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