

CBSE PROJECT / PRACTICAL FILE ASSIGNMENT

Grade: 11 Commerce Stream (Session: 2023 - 2024)

ENGLISH:

1. Prepare a project on any current issue i.e. Indians deported from Canada.
2. The project can be made individually or with a group of 3-4 students.

The project – Portfolio may include the following:

- Cover page with title of project, school details / details of students
- Statement of purpose / objectives / goals.
- Certificate of completion under the guidance of the teacher.
- Action plan for the completion of the assigned tasks.
- Materials such as scripts for the theatre / role play / questionnaires for interviews / written assignments, essay / survey reports.
- The 800 – 1000 word essay / script / /report.
- Student / group reflection.
- If possible photographs that capture the learning experiences of the students (s).
- List of resources / bibliography.

BUSINESS STUDIES: Make project file on any one topic out of below mentioned topics:

A)

1. Visit to a Mall.
2. Visit to a Handicraft unit.
3. Visit to an industry.
4. Visit to a Departmental store.
5. Visit to a whole sale market. (vegetables, fruits, flowers, grains, garments.)

B) Aids to Trade:

Taking any one 'Aids to Trade.'

ACCOUNTANCY:

1. Prepare a project on Source Documents.

ECONOMICS: Make project file on any one topic out of below mentioned topics:

Project 1 : Effect of price change on a substitute good (taking prices from real life visiting local market) 10 Goods.

Project 2 : Effect of price change on a complementary good (taking prices from real life visiting local market) 10 Goods.

PHYSICAL EDUCATION: Prepare Practical File. It should consist of following practicals:

A. Physical Fitness Test:

- SAI Khelo India Test.
- Brockport Physical Fitness Test.

B. Yoga

C. Write any one game of your choice out of the list below games with labelled diagram of field and equipment (Rules, Terminologies and Skills).

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|--------------|-------------|---------------|---------------|
| a) Football | b) Kabaddi | c) Volleyball | d) Cricket |
| e) Hockey | f) Kho-Kho | g) Handball | h) Basketball |
| i) Badminton | j) Swimming | | |

MATHEMATICS:

1. To interpret geometrically the meaning of $i = \sqrt{-1}$ and its integral powers.
2. To obtain a quadratic function with the help of linear functions graphically.
3. To verify that the graph of a given inequality, say $5x + 4y - 10 < 0$ of the form $ax + by + c < 0$, $a, b > 0$, $c < 0$ represents only one of the two half planes.
4. To obtain the formula for the sum of squares of first n natural numbers.
5. An alternative approach to obtain the formula for the sum of squares of first n -natural numbers.
6. To demonstrate that the arithmetic mean of two different positive numbers is always greater than the geometric mean.
7. To establish the formula for the sum of the cubes of the first n -natural numbers.
8. To distinguish between a relation and a function.
9. To plot the graphs of $\sin x$, $\sin 2x$ using the same coordinate axis.
10. To find the number of ways in which three cards can be selected from given five cards.

APPLIED MATHEMATICS:

1. Prime Numbers and Divisibility Rules.

INFORMATICS PRACTICES:

PROGRAMMING IN PYTHON

1. To find average for given marks.
2. To find the sale price of an item with a given cost and discount.
3. To calculate perimeter/circumference and area of shapes such as triangle, rectangle, square and circle.
4. To calculate Simple and Compound interest.
5. To calculate profit-loss for a given Cost and Sell Price.
6. To calculate EMI for Amount, Period and Interest.
7. To calculate tax - GST / Income Tax.
8. To find the largest and smallest numbers in a list.
9. To find the third largest/smallest number in a list.
10. To find the sum of squares of the first 100 natural numbers.
11. To print the first 'n' multiples of a given number.
12. To count the number of vowels in a user entered string.
13. To print the words starting with a particular alphabet in a user entered string.

FINE ART:

Prepare any one Portfolio File from the below mentioned topics:

1. One Still Life Painting. (Pencil Shading)
2. One Nature Study / Landscape Painting. (Colourful)
3. One Still Life Painting. (Colourful)
4. One Composition Painting. (Any from student's choice)