

Class- 12th ISC Project Details 2022

Procedure to make a project

1. Front Page (Every project will be covered with black chart paper)



2. Certificate

<u>CERTIFICATE</u>	
Session: 2021-2022	Roll No. _____
<i>This is to certify that of standard 12th CBSE of Modern Public School had been sincere and hardworking throughout the practical and therefore he has completed this project on the basis of the requirements of CBSE rules and regulations.</i>	
_____ <u>Internal Exam. sign</u>	_____ <u>Principal's Sign Stamp</u>
_____ <u>External Exam. sign</u>	_____ <u>School stamp</u>

3. Table of contents

- a. Index
- b. Acknowledgement
- c. Title
- d. Introduction
- e. Projects details
- f. Implementation (for IT)
- g. Bibliography

4. for Chemistry & biology : - Project file should be spiral binding pages 35 to 40.

Biology

1. Genetic disorder
2. Gene therapy
3. Human genome Project.
4. DNA Fingerprinting
5. Bio-piracy
6. Cancer
8. AIDS / Hepatitis.
9. Drug addiction and community
10. Role of micro-organism in industry.
11. Human population.
12. Mendalian Inheritance.
13. Environmental resistance.
14. Role of agrochemical in increasing food production

Format of the Project:

(front page)

- 1.certificate
- 2.Content
- 3.Introduction
- 4.Presentation (graphs, tables, charts, newspaper cuttings, diagrams, photographs, statistical analysis if relevant)
- 5..diagrams
- 6.Conclusion/ Summary
- 7..Bibliography

NOTE- 1. Your project should not be less than 30 pages.

2.spiral binding with transparent (sheet)on it

Physics

Suggested Investigatory Projects

1. To study various factors on which the internal resistance/EMF of a cell depends.
2. To study the variations in current flowing in a circuit containing an LDR because of a variation in
 - (a) the power of the incandescent lamp, used to 'illuminate' the LDR (keeping all the lamps at a fixed distance).
 - (b) the distance of a incandescent lamp (of fixed power) used to 'illuminate' the LDR.
3. To find the refractive indices of (a) water (b) oil (transparent) using a plane mirror, an equi convex lens (made from a glass of known refractive index) and an adjustable object needle.
4. To design an appropriate logic gate combination for a given truth table.
5. To investigate the relation between the ratio of (i) output and input voltage and (ii) number of turns in the secondary coil and primary coil of a self-designed transformer.
6. To investigate the dependence of the angle of deviation on the angle of incidence using a hollow prism filled one by one, with different transparent fluids.
7. To estimate the charge induced on each one of the two identical styrofoam (or pith) balls suspended in a vertical plane by making use of Coulomb's law.
8. To study the factor on which the self-inductance of a coil depends by observing the effect of this coil, when put in series with a resistor/(bulb) in a circuit fed up by an A.C. source of adjustable frequency.
9. To study the earth's magnetic field using a tangent galvanometer.

English Literature

1. Discuss any one poem in detail which you liked the best from your syllabus with its Poet's life sketch-paraphrase-theme-style-critical appreciation .
2. Read any one Shakespeare's Play (except Tempest) and Write its summary

English Language

1. Going through the daily news Paper prepare a report of 350 Words on any one :
robbery, accident ,natural calamity
2. Watching Television has become a habit especially watching serials- write a review of any one serial that You liked the most .

Mathematics

Topic: 1. Relation and function 2. Matrices 3. Differentiation 4. Integration 5. Application of integration 6. Application of Differentiation

Chemistry

Topic

- 1- Biomolecules
- 2- Amines
- 3- aldehyde ketones and carboxylic acid
- 4- alcohol phenols and Ethers
- 5- Haloalkanes and haloarenes
- 6- coordination compounds
- 7-d-f block elements
- 8- chemical kinetics
- 9- electrochemistry
- 10- Solution

Computer Science

- (i) 20 Board programs in spiral binding.
- (ii) Each program should starts from new page contain question, answer (program coding) and show input/output after each program.
- (iii) Make ready all the program in good hand writing on A4 size white paper sheet and to your subject teacher when school opens.
- (iv) Only 5 programs should be any of these topics
 - a. Arrays
 - b. String
 - c. Call be reference
 - d. Recursion
 - e. Inheritance
 - f. Stack and Queue

Physical Education

Topic- volleyball or Basket Ball or Cricket or Foot ball or Hockey or Table tennis
No. Of pages- 35 to 45 with spiral binding

ACCOUNTANCY PROJECT (858)

A list of suggested projects is given below:

1. Preparation of journal / sub-division of journal, Ledger, Trial balance and financial statement of a partnership form of business on the basis of case study.
2. Preparation of a Cash Flow Statement with the help of audited /unaudited imaginary balance sheets of a company for two consecutive accounting years.
3. Preparation of Common Size and Comparative Income Statement and Balance sheet of a company by taking into account its audited / unaudited / imaginary financial results of two consecutive quarters of an accounting year or of two consecutive accounting years.
4. Taking the audited /unaudited imaginary financial results of any leading company, its liquidity, solvency, activity and profitability ratios of two consecutive accounting years.

Note- Your project should not be less than 35-40 pages.

COMMERCE PROJECT (857)

A list of suggested projects is given below :

1. Compare marketing strategies adopted by two different companies of the same industry (FMCG / Telecommunication / Media / Education Industry etc.) keeping in mind the following:
 - Product Mix
 - Price Mix
 - Place Mix
 - Promotion Mix
2. Collect newspaper /magazine clippings of 5 cases filed by consumers in the Consumer Court. Find out the rights violated and the redressal mechanism used. What was the outcome of each case?
3. Visit a commercial bank. Find out the procedure to open a saving account. Find out the details of various agency and general utility services provided by the bank.
4. Compare the interest rates offered by five different commercial banks on fixed deposits under various categories (general and senior citizens) and various time durations. Find out the procedure and formalities of opening a fixed deposit account. What is the procedure of closing the account on maturity and before maturity period?
5. Find out the names of companies under various sectors (FMCG Pharma automobile etc. included in the NIFTY and the SENSEX.) Make a chart of the same and track its movements over a period of one week.
6. Formulate a capital plan for a hypothetical business organisation. Justify your formulated plan.
Note – project should not be less than 35-40 pages.

ECONOMIC

A list of suggested projects is given below :

1. Study a Public Sector Enterprise with reference to its relevance to the Indian Economy and its future prospects. Analyse the trend of its growth for the last ten years.
2. Conduct a Socio Economic survey of a locality (minimum sample size should be 30 households) with reference to:
 - i. Demographic features.
 - ii. Consumption Pattern – Expenditure on necessities ' comforts and luxuries.
 - iii. Occupational structure.
3. Compare the contribution made by different sectors of the economy towards GDP growth during the planning period.
4. Prepare a report on the competition in the Aviation Sector in India with reference to:
 - i. Performance of the Public Sector and Private Sector.
 - ii. Operational strategies adopted by budget/low cost carriers. invention.”
5. Make a comparative study of the allocation of financial resources of the Central Government Budget on Agriculture, Defense Industry and Education in the last ten years. Prepare a report on your observations.
6. Prepare a trend Analysis of Growth and Productivity of any one industry such as:
Textile / Automobiles / Electronic and Tele-communication, etc. In India for the past ten years.