

# PROJECT WORK – 2013-14

## CLASS IX ENGLISH LANGUAGE

- Thomas Edison once observed that the reason most folks do not recognize opportunity is that it is often dressed in overalls & looks like work. Give an account of a person who recognized opportunity, made sacrifices & succeeded in life
- ‘You will only be remembered for two things: the problems you solve & the ones you create.’ In the light of this observation, describe some problems you have solved & some you have created.

## ENGLISH LITERATURE

1. Give a detailed sketch of character of the following :  
i) Bassanio, ii) Antonio  
iii) Portia iv) Shylock
2. Write a note on the different themes developed in drama ‘The Merchant of Venice’

## HINDI LANGUAGE

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## HINDI LITERATURE

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## MATHEMATICS

- Survey of a class of students height, weight, number of family members, pocket money etc
- Planning delivery routes for a postman/milkman.
- Visit one or two stores where sales are being offered to investigate- Cost Price, Marked Price, Selling Price, Discount, Profit/Loss

## PHYSICS

- Visibility around you is possible due to the sensation of vision & vision is due to the processes of refraction & reflection. Give a brief account of these processes & paste relevant pictures.
- A needle sinks & a ship floats. Upthrust in fluids & Archimede's Principle is responsible for this. Explain them with the help of pictures & diagrams.

## CHEMISTRY

- 1- Explain Atmospheric pollution under the following headings:
  - Acid Rain
  - Global Warming
  - Ozone Depletion
- 2- Describe the Periodic table.

## BIOLOGY

- 1- Vegetative Propagation:
  - Artificial Methods
  - Advantages and Disadvantages
  - Economic Importance of Artificial Propagation
  - Hybridization and Tissue Culture
  - Brief Idea of Biotechnology and Its Applications in Medicine and Industry
- 2- Sources of Waste:
  - Domestic Industrial, Agricultural, Commercial and other Establishments
  - Major Effects on Human Health
  - Methods of Safe Disposal of Waste
  - Segregation, Dumping, Compositing, Drainage, Incineration, Use of Scrubbers and Electrostatic Precipitators

## **HISTORY & CIVICS**

### **HISTORY**

India experienced Mughal as well as British Rule historically for over 750 years. Make a comparative study in terms of their influence in fields of art, culture, administration & religion

### **CIVICS**

Interview the Chairman of the Municipal Committee, seeking information regarding the-

- Election Procedure
- Powers & Functions
- Plans Executed for the development of the city
- Future plans for development of the city
- Challenges faced by him/her

Note : All the topics should be supported with relevant pictures.

## **GEOGRAPHY**

- Earth & its Interior, Weathering, Folding & Faulting, Rocks, Volcanoes, Earthquakes- definition, types, origin, importance & impact
- Natural Vegetation Region of the world with respect to location, climate, extend, natural vegetation, wildlife, human occupations

## **HOME SCIENCE**

- What are Nutrients? List different types of nutrients & their functions with deficiency diseases.
- Waste management in the home & community
- Classification of waste in the Community

## **COMPUTER APPLICATION**

- Prepare a report on object oriented programming.
- Write a report on the history of Java.
- Make any 10 Programs using Q-Basic programming language.
- Make any 10 programs using C++ programming language.
- Make any 20 programs using Java programming language.

**Note: - Only hand written matter is required.**

## **ECONOMICS**

### **TOPIC- I**

Students need to submit a case study on Bhopal Gas Tragedy or Chernobyl Disaster.

### **TOPIC- II**

Conduct a survey of the locality to find out the working and non-working population and the extent of unemployment.

Students must submit following documents: -

(i) 20 Questionnaires, (ii) Your Photographs in the locality with the people conducting the Survey (Date and time must be mentioned on it), (iii) A file explaining the effect of overpopulation on India and write your findings with conclusion.

### **TOPIC- III**

Survey for understanding the Functions of any commercial organisation (e.g. survey of sugar factory, school, commercial bank, telephone exchange, rice mill, private or public company, local firm/industry), Students must submit following documents: -

(i) Questionnaire, (ii) Your Photographs in the organisation (Date and time must be mentioned on it), (iii) A file explaining functions of it and write your findings with conclusion.

## **COMMERCIAL STUDIES**

### **TOPIC-I**

Students need to submit a file and a CD (Power Point Presentation) on the following topics: -

(i) Marketing & Sales, (ii) Finance & Accounting, (iii) Human Resources, (iv) Production, (v) Purchasing & Stores, (vi) General Administration & Legal.

### **TOPIC-II**

Write a Detailed report on Communication and its importance, method and tools used in the modern Business Organisations.

### **TOPIC-III**

Survey for understanding the Functions of any commercial organisation (e.g. survey of sugar factory, school, commercial bank, telephone exchange, rice mill, private or public company, local firm/industry), Students must submit following documents: -

(i) Questionnaire, (ii) Your Photographs in the organisation (Date and time must be mentioned on it), (iii) A file explaining functions of it and write your findings with conclusion.

## **S.U.P.W**

File – Any two topics from I Term Syllabus & each student has to submit one First Aid Box.