

**HOLIDAYS HOMEWORK**  
**CLASS XI Science Session 2018 - 19**

**ENGLISH**

1. Prepare a role play on any one of the following:
  1. To sell a property
  2. To sell a vehicle
  3. To sell household goods
  4. To promote an educational institution
  5. To promote tours and travels package
  6. Matrimonial
  7. Missing Person/Pet
2. Complete your notebooks
3. Grammar Exercise
4. Make short Notes of chapters/ Poems covered in the classroom
5. Write Diary entry for at least 10 exciting days of your vacation
6. Maintain newspaper notebook for 30 days. Write summary of any one article and new words learnt.
7. Pen down at least 10 words every week and create a story using these words

**PHYSICS**

1. Prepare a project of physics which should be research or experiment based (working project), where every aspect of the topic selected should be discussed. The project should have the following key aspects:

- Certificate
- Acknowledgement
- Why this was selected? (Related to daily life)
- Introduction
- Details of the project
- Experiment
- Observations
- Analysis
- Result
- Bibliography (mention the links)

Project should be aesthetically prepared. Print out of the content is not allowed, only data or pictures can be printed and the same has to be approved first.

2. Complete the worksheet in the notebook that will be uploaded on website

**CHEMISTRY**

A. Prepare a crisp report on the following instruments used in the field of chemistry. Topics are as follows-

Roll No-1-10= Spectrophotometer and its applications

Roll no-11-20= Electron microscope

Roll no-21-30= pH meter and its applications

Roll no- 31- last= calorimeter

The main focus of the project should be on the following key areas-

Basic principle involved

Set up of the instrument

Working

Applications

Importance (What if this was not available to us?)

No print out of content is allowed, only data or pictures can be printed.

B) Practice 10 numerical each on the following topics-

a) Molarity

b) Molality

<p>c) Significant figures  d) Limiting reagent  e) Mole fraction  f) Percentage composition</p> <p>C. Complete all back exercise and assignment questions in notebook only</p>
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**MATHEMATICS**

1. Each student is required to prepare a project report on any one of the topics given below, collecting the maximum information, pictures and its applications in practical life. (1) Trigonometric functions (2) Sequence and Series. (3) Probability of events. (4) Conic Sections. (5) Statistics
2. Do assignments that will be posted on Edupage.  
(Assignment 1 - Chapter 1)  
(Assignment 2 - Chapter 2)

**COMPUTER SCIENCE**

Complete the given chapter-wise assignments in your CS notebook.

**ECONOMICS**

**Project Work**  
Develop project, as per the suggested project guidelines. Case studies of a few organisations / outlets may also be encouraged. Under this the students will do only ONE comprehensive project using concepts from both part A and part B. Some of the examples of the projects are as follows:

- (i) A report on demographic structure of your neighborhood.
- (ii) Changing consumer awareness amongst households.
- (iii) Goods and services tax
- (iv) Study of a cooperative institution: milk cooperatives, marketing cooperatives, etc.
- (v) Case studies on public private partnership
- (vi) Global warming.
- (vii) Demonetisation

The project should have minimum of 10 questionnaire and the questionnaire should be evaluated by the students properly and their own point of view should be evaluated.

**BIOLOGY**

Prepare an investigatory project on topic related to biology where every aspect of the topic selected should be discussed. The project should have the following key aspects:

- Certificate
- Acknowledgement
- Why this was selected? (Related to daily life)
- Content
- Introduction
- Details of the project
- Observations
- Analysis
- Result
- Bibliography (mention the links)

Project should be hand written , and printout of pictures if required could be used