

# Summer Vacation Assignment

## XI-B2

### Chemistry

1. INTEXT and NCERT Exercise Solutions: Classification of elements and periodicity in properties.
2. Collect information and raw material for an investigatory project to be performed in school in July 2018. Students may choose the project work in any of the following areas :-
  - 1) Harmful effects of cold drinks
  - 2) Ammonia content in hair colour
  - 3) Pollution level near school in the morning hours
  - 4) Ways to cause less pollution by changing our life style
  - 5) Comparative study of fresh fruit juices and packaged fruit juices
  - 6) OR Any other suitable topic
3. Prepare a seminar on any of the following topics:-
  - 1) Chemistry in Kitchen  
(Note:- Work in kitchen with your parents and find the chemistry involved.)
  - 2) Chemistry in everyday life  
Note:- Collect the different everyday used goods or items and try to find the chemistry applications in them.
4. Plan your model on any topic from the following for Gyan Vigyan Mela and collect material for it. The model will be made in school. (Only student interested in taking part in competition)
  1. use of energy in human welfare.
  2. Communication Technology
  3. Recycling of polymers
  4. Bio technology & its uses
  5. Innovative Model
5. Prepare for paper reading contest for Gyan Vigyan Mela (Only interested students).  
\* Hydrogen Gas : a fuel of future

### Physics

Complete the given assignement.

### MATHEMATICS

| Example | Question Nos.   |
|---------|---|
| 1.5     | 4,5,14,15   |
| 2.2     | 6,9,10  |
| 2.3     | 8,9,10  |
| 3.3     | 7   |
| 3.4     | 4,6,8,11  |
| 3.5     | 1(i),3  |
| 3.6     | 10(i),11(i),16(i),19,21,22(i) & (iv)  |
| 3.7     | 6,7,9,11,13,14(ii)  |
| 3.8     | 3,4(i) & (ii), 5(i) & (iv), 6,7(ii), 10(i), 11, 12(i), 13                                 |
| 3.9     | 3(ii), 5(ii) & (iv), 6(ii) & (iv), 7(ii),(iv)&(v),8,12,13,15,18,19(i),20(iv),23(i) & (ii) |

**Mass Media**

- Q1 Ad on 'Swatchh Bharat'.
- Q2 Top 10 journalists in India.
- Q3 Environmental at photography
- Q4 Success story of any one youtuber
- Q5 Study on any one coap opera.
- Q6 10 major advertising agencies in India
- Q7 Review the latest version of Mac devices available in market place in phone.
- Q8 The evolution of india cinema.
- Q9 Internet as a career
- Q10 A print Ad on any product (A3 size)

**ENGLISH**

(Reading Section)

Worksheet No. 2,3,5,6,8,9,11,12

Note making 1-20 (worksheet)

(Writing Section)

Notice Worksheet-21

Advertisement Worksheet-25, 26

Letter to Editor 41,42,43

Articles Worksheet : 51,52,57,65

Grammar Worksheet-71

Literature Learn the following

Chapters and attempt the questions based on the same in 'Bravia'.

1. The portrait of a lady
2. We are not afraid to die if can all be together
3. A photograph, the summer of a beautiful white horse

Read the novel "The canterville Ghost"

Prepare for English carnival

**COMPUTER SCIENCE**

1. Question Bank :-

- a) Define Software . Briefly define its types.
- c) Differentiate between Application software and system software give example.
- d) Explain the need of Operating System.
- e) Differentiate between Compiler and Interpreter.
- f) How manymagabytes make 1 terabyte?
- g) What is compiler? How it is different from Interpreter?
- h) Name two super computer designed by India.
- i) What are the different types of computers? Explain each of them in detail.
- j) Explain different generation of computers.
- k) What is the difference between compiler and assembler?
- l) Write about third generations and fourth generation of computer.

2. Project :-

Prepare a Power Point Presentation on any 2 of the following topic and mail the same on [gnavholidaywork@gmail.com](mailto:gnavholidaywork@gmail.com):

- (1) Types of Printer
- (2) Operating System
- (3) Internet
- (4) Input/Output Devices

It should include minimum of 15 - 20 slides of content

3. Design a flowchart for the following
  - (1). To find out the sum of first 10 even numbers.
  - (2). To find out bigger number out of three numbers.
  - (3). A, B, C are the marks scored by a student in Science, Mathematics and English. Design a flow chart to find out the percentage of student.

## **BIOLOGY**

- Q1 Draw all the diagrams of U-3 & U-5 of NCERT Book.
- Q2 Write and learn exercise questions of U-5 of NCERT Book.
- Q3 Revise all the chapters of U-3 & U-5.

## **Physical Education**

- Q1 Calculate BMI of your family.
- Q2 Write in briefly about olympic.
- Q3 Write about athletics. Collect important information about it.

## **Photography Contest**

Students who want to participate in photography contest must bring hard copy of photo click by them (8 inches x 6 inches) and submit them to their respective house incharges after coming from vacations. Themes for the contest are as follows :-

- \* Home town Pride (Photo about your hometown or village)
- \* Backflash (Black & White Photo)
- \* Shadows
- \* Nature's finest
- \* Reflection (In water or mirror)
- \* Grand fun with grand parents (Photography of you with your grand parents having fun)
- \* Object photography (Photography on objects in a creative manner)
- \* More than a toy (Photography on toys in a creative manner)
- \* The world through my eyes (Open slot for any kind of photography)

## **Rules**

1. Photo must be clicked by the student himself
2. It should not be edited in any way.
3. There must be a caption with the photograph.
4. Details must be written at the back of photograph. (Name, Class, Roll No., House, Caption & Theme)
5. Only one photo per student will be accepted on any one theme

## **File Work**

Create a file of photocopy of important documents to be kept with you in hostel. It must contain **photocopies of** –

1. Aadhar card of student
2. Aadhar card of mother
3. Aadhar card of father
4. 4 passport size photos of student
5. 2 passport size photos each of father, mother
6. DMC of Class-X
7. Report card of previous class
8. SLC (Previous school)
9. Character Certificate (Previous school)
10. MIS School Leaving Certificate
11. Certificate of category other than general
12. Any other document you feel is important to be kept with you (regarding health, blood group etc.)

- **It is mandatory for students to submit the pending documents DMC, Character Certificate, SLC & MIS Certificate to their respective class incharge by 2<sup>nd</sup> July, 2018.**