

## Holiday Homework

Class—XI

### Chemistry (2019--20)

**1)** What are Food preservatives? Make a list of 10 food items from your daily life containing one or the other food preservatives. Also give the chemical composition of these food preservatives highlighting their harmful effects on our body.

**2)** Prepare a presentation using Microsoft PowerPoint on any topic of your choice that can be linked to one of the chemistry course units.

The Topics are :

- (a) Corrosion            (b) Metallurgy            (c) Redox reactions in everyday life  
(d) Polymers(Plastics)            (e) Soaps and Detergents

#### **Guidelines:-**

☑ It should comprise of text graphics, animations and sound.

☑ A voice over can be incorporated in the presentation.

☑ The maximum time limit for the presentation should be 3-4 minutes.

☑ It must run on its own. You are not allowed to play it manually.

☑ You should include:-

- 1) One title page with your topic and your name and class.
- 2) One slide that contains abstract or short description of your slide.
- 3) Minimum 10 slides are compulsory.
- 4) Final slide as a reference section/ bibliography .

**3)** You all have studied periodic table in class X consisting of elements arranged in horizontal rows and vertical columns according to their properties. Now its time to explore these elements more and gather extra information. Seggregate all these elements into four categories:-

- 1) Industrially important elements
- 2) Elements important in medical field.
- 3) Elements important for country's defence.
- 4) Elements important in polymer industry.

**4)** Green chemistry encourages the design of products and processes that minimizes the use and generation of hazardous substances. Think of ways to introduce "Green Chemistry" in the practicals that are performed in chemistry lab. Submit your suggestions and the best ones may be introduced in next academic session.

