

**Home Assignment - 2020**

Class: X

Subject: General Science

Time: 1 Hour 30 Min.

**Part I: Creative Questions**

*[ Read the stem carefully and answer the questions. ]*

- Mr. Rahim lives in Bhola. Often Bhola is hit by cyclones. He takes safety measures for himself and his family whenever he gets a forecast for upcoming cyclone.
  - What is meaning of Tsunami?
  - What do you mean by global warming?
  - How is the natural disaster mentioned in the stem formed?
  - Discuss the safety measures taken by Mr. Rahim.
- The expense of pressing cloth of the laundry in Karim's house is TK. 2.20. For saving expense, Karim's father bought an iron which is labeled with 1000W-220V. It runs for 15 minutes every day. It is notable that expense of each unit electricity is Tk. 5.00.
  - What is electrolysis?
  - Why is energy saving bulb used instead of normal bulb?
  - Calculate the amount of consumed energy in every month after using the electric iron.
  - Could Karim's father save electricity? Analyze mathematically.
- Robin went to the doctor with stomachache and the doctor advised him to do some tests. Ultrasound was used in that test. But nothing was found. The doctor advised him for another test where bent telescope was used. It helped to determine the disease.
  - What is X-ray?
  - Why chemotherapy is important in cancer treatment?
  - How the first test was done? Explain it.
  - Why the doctor advised for the second test? Write with just fiction.

## **Part II: Short Questions**

- i.** How many times medicine is usually applied in chemotherapy?
- ii.** In which medical process Eco of sound is used?
- iii.** By which process damage to bones and presence of tumor is detected?
- iv.** What happens when blood vessel of heart is blocked for any reason?
- v.** How many types of RNA are seen in animal cells?
- vi.** What is the main element of chromosome?
- vii.** Which enzyme is produced from papaya?
- viii.** What is the symbol of battery?
- ix.** What is called the negative terminal of an electric cell?
- x.** Which transformer is used for residential electric supply?
- xi.** For which purpose battery is used?
- xii.** The word 'Tornado' came from which language?
- xiii.** Which disaster occurs only in sea?
- xiv.** What is the main cause of climate change?
- xv.** What is the number of human sex chromosome?
- xvi.** In which organism plasmid is found?
- xvii.** Which scientist made the first test-tube baby?
- xviii.** In which year X-ray was invented?
- xix.** By which unit we pay the electric bill?
- xx.** Which gas is used in energy saving bulb?