

## **WORKSHEET (MODULE 1)**

**Answer the following questions in about 30 – 40 words.**

1. What do you understand by the flash point of a fuel?
2. When does a smouldering paper burst into flame?
3. What are the different uses of fire? Are all these equally important?
4. How does fire affect human life and property?
5. How is fuel important for a fire to burn on?
6. How is fire the result of a chemical reaction?
7. Why was early man frightened of fire?

### **ANSWERS**

1. Every fuel has a specific temperature at which it begins to burn. This specific temperature is called the flash point or kindling temperature of the fuel.

2. A smouldering paper is a paper that bursts into flame when fresh air is blown on it. It is a paper that is still burning and might produce smoke also. However, there is no such flame visible.

3. Fire is used to cook food, warm our homes in winter and to generate electricity. Other uses of fire include clearing land for agriculture, producing heat and light, in factories and industries and so on. Yes, these are all equally important according to me.

4. Fire does affect human life and property. It can be deadly and disastrous, leading to great loss of human life and property. In fact, thousands of human lives are lost every year in some part of the world or another. And this includes human property also.

5. Fuel is very important for a fire to burn. If fire has no fuel to feed on, no burning can take place. We often let a fire die out simply by not adding more fuel to it.

6. When the oxygen in the air combines with carbon and hydrogen in a fuel, a chemical reaction takes place. Energy in the form of heat and light is released in this process called fire.

7. Early man was frightened of fire because he must have seen the damage it could cause. Lightning and volcanic eruptions are two examples of fire and its terrible power. Fire has always been powerful and dangerous and the early man was aware of this.