

Value Based Questions

1. Consider the following statements:

- (a) Ribosomes are the protein factories of the cell.
- (b) The proteins formed are transported by the Golgi complex to different parts according to their requirements.
- (c) Mitochondria provide energy for the working of the cell.
- (d) Lysosomes are the suicidal bags where dead and damaged organelles are destroyed.

Answer the following questions based on the above information:

- (i) What would happen if any one of the above mentioned organelles are absent in the cell?**
- (ii) What values shown by the cell organelles can be related to humans?**
- (iii) Give one situation in your everyday life where such values are exhibited.**

Ans. (i) If any one of the organelles is absent, the working of the entire cell is disturbed because functions of all the organelles are interlinked. For example, if mitochondria are absent, the other organelles would not get any energy for their working.

(ii) Unity and division of labour.

(iii) A village community has a farmer, barber, shopkeeper, carpenter, etc. All these have different professions but are interdependent. For example, a farmer provides food for everyone and in turn gets different services from other people.