

Subject- EVS

Class- V

Topic- Flow of water

Learn and write the following question answers-

Q1. Why are farmers using modern methods of irrigation? List 2 reasons.

A1. Our farmers are now using modern methods of irrigation to—

- (a) Check the wastage of water.
- (b) Increase food production.

Q2. How do ponds get filled with rainwater?

A2. The rainwater always flows from upward to downward direction. When it rains, the water from the hills and mountains flows down the slope. This rainwater gets collected in the nearby ponds and lakes.

Q3. How is furrow irrigation carried out?

A3. In furrow irrigation, a number of ridges and furrows are made in the fields. Crops are raised in the ridges, and irrigation is carried out in the furrows.

Q4.

Classification

Match column 'A' with column 'B' by drawing lines.

Column A

- (a) Tube well *iv*
- (b) Artificial rain *v*
- (c) Plants make food *i*
- (d) Electric pump *ii*
- (e) Rice *iii*

Column B

- (i) photosynthesis
- (ii) tube well
- (iii) require more water
- (iv) irrigation
- (v) sprinkler irrigation

- A4. (a) (iv)
(b) (v)
(c) (i)
(d) (ii)
(e) (iii)

Q5. How is water supplied to the fields by sprinkler irrigation?

A5. The sprinkler irrigation is one of modern methods of irrigation. In this method, water is sprayed on standing crops in the form of artificial rain. Water is distributed through pipes that have rotating nozzles on top (called sprinklers). Pumps are fitted with this system for lifting water. Through the rotating nozzles, water is sprayed on the crops.

Q6. Suggest a method for drawing underground water.

A6. We can draw underground water from tube wells. Sometimes, underground water is at a depth of about 15 metres or more. It is difficult to dig wells at this depth. So, a deep bore is made with a drilling instrument. Water is drawn out with the help of an electric pump. This is called a tube well.

Q7. The government encourages farmers to install tube wells in their fields. Why?

A7. Government encourages farmers to install tube wells in their fields to reduce their dependency on rain and make it a major source of irrigation in their fields. When there is plenty of rainfall, there is no problem of water for the crops in the field. Some areas receive less or no rainfall at all. So, farmers in these areas need to supply water separately to the fields to grow crops.

Q8. Farmers must be aware of the amount of water required for growing various crops. Why?

A8. The farmers must have a good knowledge about the water required by the crops they are growing for the proper and judicious use of water. When the farmer provides more water to the crop that requires less water or provides less water to the crop that requires more water, the crop will not grow properly. This would lead to low crop yield and a high monetary loss to them.