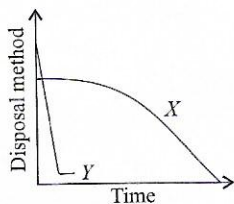


35. The given graph depicts two different methods of disposal of biodegradable solid wastes.



What can be inferred from the given graph?

- A. Waste disposed through process *X* can be used for vermicomposting.  
 B. Some non-biodegradable wastes like used syringes, urine bags, etc., can also be disposed off by process *Y*.  
 C. *X* may be safe and pollution free whereas *Y* may generate some gaseous wastes.  
 D. All of these
36. Refer to the given table and select the correct statement for *K-P*.

Plant part	Function	Example
Root	(a) Storage of food	<i>K</i>
	(b) Climbing	<i>L</i>
Stem	(a) Storage of water	<i>M</i>
	(b) Climbing	<i>N</i>
Leaf	(a) Vegetative reproduction	<i>O</i>
	(b) Climbing	<i>P</i>

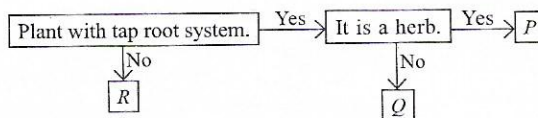
- A. *L* could be ivy whereas *O* could be *Begonia*.  
 B. *N* could be pea whereas *M* could be *Opuntia*.  
 C. *K* could be ginger whereas *P* could be grapevine.  
 D. *K* could be *Nepenthes* whereas *N* could be *Dionaea*.
37. Which of the following actions will help in reducing pollution ?
- (i) Using induction cook tops instead of LPG stove for cooking food.  
 (ii) Using unleaded petrol in cars.  
 (iii) Spraying pesticides on plants to kill pests.  
 (iv) Carrying cotton or jute bags for shopping instead of polybags.
- A. (i) and (ii) only  
 B. (iii) and (iv) only  
 C. (i), (ii) and (iii) only  
 D. (i), (ii) and (iv) only

38. What does the given image depict about rise of liquid in the straw?



- A. Air has energy which forces liquid to enter into the straw when boy sucks it.  
 B. When boy sucks pressure due to air inside the straw is reduced and liquid rises.  
 C. Air has mass which forces liquid to enter into the straw when boy sucks it.  
 D. None of these

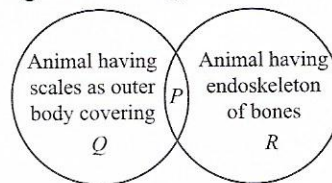
39. Refer to the given flow chart.



Select the option that correctly identifies *P*, *Q* and *R*.

- |    |                 |                 |                 |
|----|-----------------|-----------------|-----------------|
|    | <b><i>P</i></b> | <b><i>Q</i></b> | <b><i>R</i></b> |
| A. | Maize           | Rose            | <i>Petunia</i>  |
| B. | Coriander       | <i>Hibiscus</i> | Banana          |
| C. | <i>Canna</i>    | Sunflower       | Castor          |
| D. | Rice            | Grapevine       | Rose            |

40. Refer to the given Venn diagram and select the correct option.



- |    |                 |                 |                 |
|----|-----------------|-----------------|-----------------|
|    | <b><i>P</i></b> | <b><i>Q</i></b> | <b><i>R</i></b> |
| A. | Anaconda        | Sting ray       | Swallow         |
| B. | King cobra      | Tree frog       | Viper           |
| C. | Sea horse       | Butterfly       | Frog            |
| D. | Newt            | Earthworm       | Guppy           |

41. Refer to the given table and select the incorrect option.

Animal	Characteristics				
	Hair	Shell	Feathers	Hibernation	Aestivation
<i>P</i>	✓	×	×	✓	×
<i>Q</i>	×	×	✓	×	×
<i>R</i>	×	✓	×	×	✓
<i>S</i>	×	×	×	✓	×

- A. *P* could be a mammal that possesses thick subcutaneous fat layer whereas *S* could be a reptile that bears poisonous fangs.  
 B. *R* could be snail that lacks endoskeleton whereas *Q* could be sparrow that has air filled bones.  
 C. *P* could be an invertebrate whose mouth has thick leathery lining for eating spiny shrubs whereas *Q* could be a migratory bird like ostrich.  
 D. *R* could be an invertebrate whose body is divisible into head, visceral hump and foot whereas *S* could be an amphibious vertebrate.

42. Refer to the given paragraph where few words have been italicised. Select the correct option regarding this.

Vitamins are either fat soluble or water soluble. *Vitamin C* is a *fat* soluble vitamin that is abundantly found in citrus fruits. Its deficiency causes *goitre*. *Vitamin D* is a *water* soluble vitamin and is necessary for absorption of *iodine* in our body. Its deficiency can lead to *beri-beri*.