



**SESSION: 2013-2014**  
**UNIT TEST -1**  
**SUBJECT: SCIENCE**  
**SET-A**

**Class: VIII**  
**Date: 8.7.2013**

**Max. Marks: 40**  
**Time allowed: 1 ½ hours**

**General Instructions:**

- This question paper has 6 questions and 2 pages.
- All the questions are compulsory.
- Write the correct serial number of the question before attempting it.

1. Choose the correct answer to each of the following: 5

- a. Which of these is not a kharif crop? 5
- i. wheat      ii. rice      iii. maize      iv. groundnut
- b. Which of these is not a fungal disease of plants?
- i. rust      ii. smut      iii. wilt      iv. blight of potato
- c. Which of these is a fibre derived from chemicals?
- i. cotton      ii. rayon      iii. nylon      iv. silk
- d. In which of these is current not conducted by electrons?
- i. copper      ii. aluminium      iii. tap water      iv. mercury
- e. Positively charged ions are known as:
- i. cations      ii. anions      iii. cathode      iv. anode

2. Correct the incorrect statements and rewrite them: 5

- a. A positively charged body has an excess of electrons.
- b. Electronic current flows from positive to negative.
- c. Acrylic is used for making ropes.
- d. Metachlor is an example of insecticide.
- e. Conversion of proteins into ammonia is called denitrification.

3. Match the following pairs and write the correct pair in the answer sheet: 5

<u>Column A</u>		<u>Column B</u>
a. Mercury	----	i. negatively charged
b. Cathode	----	ii. glass windows
c. Perspex	----	iii. conduction
d. Bakelite	----	iv. poor conductor
e. Petrol	----	v. electrical switches

4. Answer the following questions: 5

- a. Name the synthetic fibre 'X' which resembles wool in its properties.
- b. What is the technique used to develop new varieties of crops having desirable traits?
- c. What are the two methods used for irrigation which minimize the wastage of water?
- d. Why does distilled water not conduct electricity?

**P.T.O.**



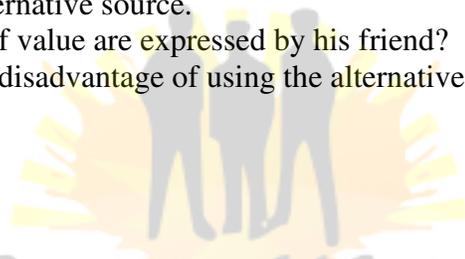
e. What is electromotive force required to push the electrons in an electric circuit provided by?

5. Answer the following questions: 8

- a. What do you mean by nitrogen fixation?
- b. What is weeding? Why is it required?
- c. State one important use of teflon giving the reason for its use.
- d. Draw a circuit diagram which can be used as a tester for conductors and insulators.

6. Answer the following questions: 12

- a. Describe the process of electrolysis with the help of an activity.
- b. What step would you like to take to overcome the problem of improper disposal of plastics?
- c. Describe any two natural methods of manuring in brief.
- d. A farmer is not able to purchase fertilizers as he is running shortage of money. His friend suggests him other alternative of fertilizer.
  - i. Name the alternative source.
  - ii. What kinds of value are expressed by his friend?
  - iii. Mention one disadvantage of using the alternative source.



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### ANSWER KEY

#### (Set A)

1. a .wheat , b. wilt, , c. nylon, d. tap water, e. cation
  
2. a. A negatively charged body has an excess of electrons. 5  
b. Conventional current flows from positive to negative.  
c. Nylon is used for making ropes.  
d. Metachlor is an example of weedicide.  
e. Conversion of proteins into ammonia is called ammonification.
  
3. Match the following : 5  
a. iii, b. i, c ii, d v, e iv
  
4. a. Acrylic 5  
b. Hybridization  
c. Drip irrigation and sprinkler irrigation  
d. It has no salts dissolved in it.  
e. Cell or battery 8
  
5. a The process of converting free nitrogen into nitrogenous compounds .  
b. The removal of unwanted plants from the field . It is required because these compete with the crop plant for nutrients, water and space.  
c. It is used as a coating on non–stick pans .It is slippery, not affected by heat and does not react chemically with other substances.  
d. Refer to page no.191 (fig.15.1)
  
6. a. Refer to page no. 192 (fig.15.3) 12  
b. Steps:  
i Buy products with less plastic packaging.  
ii Support recycling schemes.  
iii Never throw plastic litter in the streets.  
iv Pick up any plastic litter that you see.  
v Shoppers should use their own bags.  
vi Practice and promote proper disposal of plastics in your home.  
  
c .i Field fallow : Leaving the field barren for one or two seasons.  
ii Crop rotation : Growing crops alternately on the same land.  
iii Mixed cropping : Growing two or more crops simultaneously.  
  
d. i. Manure.  
ii. Sympathy, concern, cooperation.  
iii. It does not overcome the deficiency of a particular nutrient.