

**Class: 8<sup>th</sup> Subject: Science**

**Max marks:40**

**Time: 1 ½ hours**

1. Select the correct word from the following list and fill in the blank (5m)  
Float, water, crop, nutrients, preparation
  - a. The first step before growing a crop is \_\_\_\_\_ of the soil.
  - b. For growing a crop, sufficient sunlight and \_\_\_\_\_ and \_\_\_\_\_ from the soil are essential.
  - c. Damaged seeds would \_\_\_\_\_ on top of water.
  - d. The same kind of plants grown and cultivated on a large scale at a place is called \_\_\_\_\_.
2. Tick the correct answer: (5m)
  - i). Carrier of malaria causing protozoan is :
    - a. Female Anopheles mosquito
    - b. Housefly
    - c. Cockroach
    - d. Butterfly
  - ii). The most common carrier of communication diseases is:
    - a. Ant
    - b. Housefly
    - c. Dragonfly
    - d. Spider
  - iii). The bread or idly dough rises because of:
    - a. Heat
    - b. Grinding
    - c. Growth of yeast cells

d. Kneading

iv). The process of conversion of sugar into alcohol is called:

- a. Nitrogen fixation
- b. Moulding
- c. Fermentation
- d. Infection

v). the following is an antibiotic:

- a. Sodium Bicarbonate
- b. Streptomycin
- c. Alcohol
- d. Yeast

3. Match the terms of column A correctly with phrases of column B: (5m)

**A**

- i). Polyester
- ii). Teflon
- iii). Rayon
- iv). Nylon
- v). Acrylic

**B**

- a. prepared using wood pulp.
- b. used for making parachutes and stockings
- c. used to make nonstick cookware
- d. fabrics do not wrinkle easily.
- e. used to make sweaters, shawls and blankets.

4. Answer the following questions (3x2=6m)

- i). What are weeds? How can we control them?
- ii). What are antibiotics? Give the source organisms which produce them.
- iii). Explain What are thermo-setting plastics? Give two examples.

5. Explain how fertilizers are different from manure. (3m)

6. Describe how vaccines work? (3m)
  7. Give the diagrammatic representation of nitrogen cycle. (3m)
  8. What are the major groups of microorganisms? Draw any three microorganisms. (5m)
  9. Avoid plastics as far as possible. Comment on this advice by using four **R** principles. (5m)
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## Answer key

- I.     a. Preparation  
       b. Water, nutrients  
       c. float  
       d. crop

- II.    (i) a  
       (ii) b  
       (iii) c  
       (iv) C  
       (v) b

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

- IV.    1. Definition and two control measures.  
       2. definition and two source organisms.  
       3 Definition and two examples.

- V.     1. Any six differences

- VI.    1. Antibodies production  
       2. memory  
       3. weakend microbe

- VII. Nitrogen cycle diagram pg 27 Ncert Text book

VIII I. Four major groups  $\frac{1}{2} \times 4$  2 marks

Diagrams of any three  $1 \times 3$  3 marks

IX. Negative effects of plastics 1 Mark

Explanation by four R principles 4 marks

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**BLUE PRINT**  
**SESSION - 2014 - 15.**  
**FORMATIVE ASSESMENT - I**

CLASS - VI II

TIME: 1 <sup>1</sup>/<sub>2</sub> hrs .

S.No.	Form of Questions		VSA(1)	MCQ(1)	MATCH THE FOLLO WSING	SA-II(2)		LA-2(5)	Total
	Chapter Number & Name						LA 1(3)		
1	1	CROP PRODUCTON AND MANAGEMENT	5(1)			1(2)	1(3)		7(13)
2	2	MICRO ORGANISMS FRIEND AND FOE COMPONENTS OF FOOD		5(1)		1(2)	2(6)	1(5)	9(18)
3	3	SYNTHETIC FIBRES AND PLASTICS		9	5(1)	1(2)	-	1(5)	7(12)
TOTAL			5(5)	5(5)	5(1)	3(6)	3(9)	2(10)	22(40)

SUBJECT: SCIENCE

MAX.MARKS:40.