Kendriya Vidyalaya Sangathan
FA-1 Question Paper

Class: 8th 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)

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
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</thead>
<tbody>
<tr>
<td>i). Polyester</td>
<td>a. prepared using wood pulp.</td>
</tr>
<tr>
<td>ii). Teflon</td>
<td>b. used for making parachutes and stockings</td>
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<tr>
<td>iii). Rayon</td>
<td>c. used to make nonstick cookware</td>
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<td>iv). Nylon</td>
<td>d. fabrics do not wrinkle easily.</td>
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<tr>
<td>v). Acrylic</td>
<td>e. used to make sweaters, shawls and blankets.</td>
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</tbody>
</table>

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?  
7. Give the diagrammatic representation of nitrogen cycle. 
8. What are the major groups of microorganisms? Draw any three microorganisms. 
9. Avoid plastics as far as possible. Comment on this advice by using four R principles.
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 ½ x 4 2 marks

Diagrams of any three 1x3 3 marks

IX. Negative effects of plastics 1 Mark

Explanation by four R principles 4 marks
### KENDDRIYA VIDYALAYA SANGATHAN

**HYDERABAD REGION**

**BLUE PRINT**

**SESSION - 2014-15.**

**FORMATIVE ASSESSMENT - I**

**CLASS-VIII**

**TIME: 1 1/2 hrs.**

<table>
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<tr>
<th>S.No.</th>
<th>Form of Questions</th>
<th>VSA(1)</th>
<th>MCQ(1)</th>
<th>MATCH THE FOLLOWING</th>
<th>SA-II(2)</th>
<th>LA 1(3)</th>
<th>LA-2(5)</th>
<th>Total</th>
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<td>CROP PRODUCTON AND MANAGEMENT</td>
<td>5(1)</td>
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<td>1(3)</td>
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<td>MICRO ORGANISMS FRIEND AND FEOCOMPONENTS OF FOOD</td>
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<td>1(2)</td>
<td>2(6)</td>
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<td>3</td>
<td>SYNTHETIC FIBRES AND PLASTICS</td>
<td>9</td>
<td>5(1)</td>
<td>1(2)</td>
<td>-</td>
<td>1(5)</td>
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**SUBJECT: SCIENCE**

**MAX. MARKS: 40.**