

**ARMY PUBLIC SCHOOL RATNUCHAK**

**SESSION 2016-2017**

**FA-2 (INTEGRATED ACTIVITIES)**

**CLASS-VIII**

**THEME:-CROP PRODUCTION AND MANAGEMENT**

<b>ENGLISH</b>	<p><b>Project:-</b>(10 marks) Organic farming is an alternative agricultural method. It involves using natural resources of nutrients such as crop, residues, and manure instead of using synthetic or inorganic agro-chemicals. Make a collage on different natural things used in organic farming and give a brief description of each.</p> <p><b>Written Assignment:-</b> (10 marks) “Prosperous farmers mean more employment, more prosperity for the workers and the businessmen of every industrial area in the whole country”. In the summer vacation you visited a village and met a farmer. You were curious to know about the farming methods used by the farmers so you interviewed the farmer. Write a dialogue about 20 lines between you and the farmer.</p>
<b>HINDI</b>	<p>जानकारी प्राप्त करें और उनके विषय में सचित्र संक्षेप में लेख तैयार कीजिए।</p> <p><b>Project:-</b>(10 marks) Organic farming is an alternative agricultural method. It involves using natural resources of nutrients such as crop, residues, and manure instead of using synthetic or inorganic agro-chemicals. Make a collage on different natural things used in organic farming and give a brief description of each.</p> <p><b>Written Assignment:-</b> (10 marks) “Prosperous farmers mean more employment, more prosperity for the workers and the businessmen of every industrial area in the whole country”. In the summer vacation you visited a village and met a farmer. You were curious to know about the farming methods used by the farmers so you interviewed the farmer. Write a dialogue about 20 lines between you and the farmer.</p>
<b>MATHS</b>	<p><b>Project:-</b>(10 marks) Find the annual production of wheat and rice in last three years and after converting it to nearest 10 express it in standard form.</p> <p><b>Written Assignment:-</b> (10 marks) The worksheet for the written assignment will be noted down from the board in the classroom or can be downloaded from school’s website <a href="http://www.apsratnuchak.com">www.apsratnuchak.com</a></p>
<b>SCIENCE</b>	<p><b>Project:-</b>(10 marks) Paste different types of crops /plants namely; cereal crops, pulses, medicinal plants, tuber crops, ornamental plants, sugar crops, cash crops. (Collect seeds/leaves/plant part of any one type of crop or plant) . Give its botanical name and any one importance of each type of crops or plants.</p> <p><b>Written Assignment:-</b> (10 marks) The worksheet for the written assignment will be noted down from the board in the classroom or can be downloaded from school’s website <a href="http://www.apsratnuchak.com">www.apsratnuchak.com</a></p>
<b>S.Sc</b>	<p><b>Project:-</b>(10 marks) Make a flow chart on thermocoal and paste the appropriate pictures to show various stages of crop-farming start with the preparation of the field, applying fertilizers harvesting the crop, threshing and finally marketing and selling the crop.</p> <p><b>Written Assignment:-</b> (10 marks) The worksheet for the written assignment will be noted down from the board in the classroom or can be downloaded from school’s website <a href="http://www.apsratnuchak.com">www.apsratnuchak.com</a></p>
<b>S.K.T</b>	<p>प्रचुर मात्रायाम् शस्यानि उत्पादनार्थं सम्यक् व्यवस्था करणीयम्।</p> <p><b>Project:-</b>(10 marks) Make a flow chart on thermocoal and paste the appropriate pictures to show various stages of crop-farming start with the preparation of the field, applying fertilizers harvesting the crop, threshing and finally marketing and selling the crop.</p> <p><b>Written Assignment:-</b> (10 marks) The worksheet for the written assignment will be noted down from the board in the classroom or can be downloaded from school’s website <a href="http://www.apsratnuchak.com">www.apsratnuchak.com</a></p>
<b>COMPUTER</b>	<p>Collect data of the fee structure of three different categories of your schools. Form tables in excel and then have detailed analysis of fee structure using different charts and submit the hardcopies (printouts).</p>

**NOTE:-**a) The integrated project & written assignment to be done on the FA-I activity notebook for all the subjects.

b) Worksheets/Written assignment can also be downloaded from school’s website [www.apsratnuchak.com](http://www.apsratnuchak.com)

**PRINCIPAL**

**ARMY PUBLIC SCHOOL RATNUCHAK**

**SESSION: 2016-17**

**WRITTEN ASSIGNMENT**

**CLASS: VIII**

**SUBJECT: MATHEMATICS**

1. Express following in the form  $\frac{p}{q}$ ;  $\left(\frac{-2}{5}\right)^4$

2. Write the additive inverse of (i)  $\frac{3}{7}$  (ii)  $\frac{-4}{9}$  (iii)  $\frac{19}{-17}$

3. Sameer bought 1 L of juice at Rs  $\frac{37}{9}$  per Litre. What will be the cost of  $\frac{5}{2}$  L of juice?

4. By what number should we multiply  $\frac{2}{-3}$ , so the product may be  $\frac{6}{12}$ .

5. Insert two rational numbers between  $\frac{1}{4}$  and  $\frac{1}{2}$ .

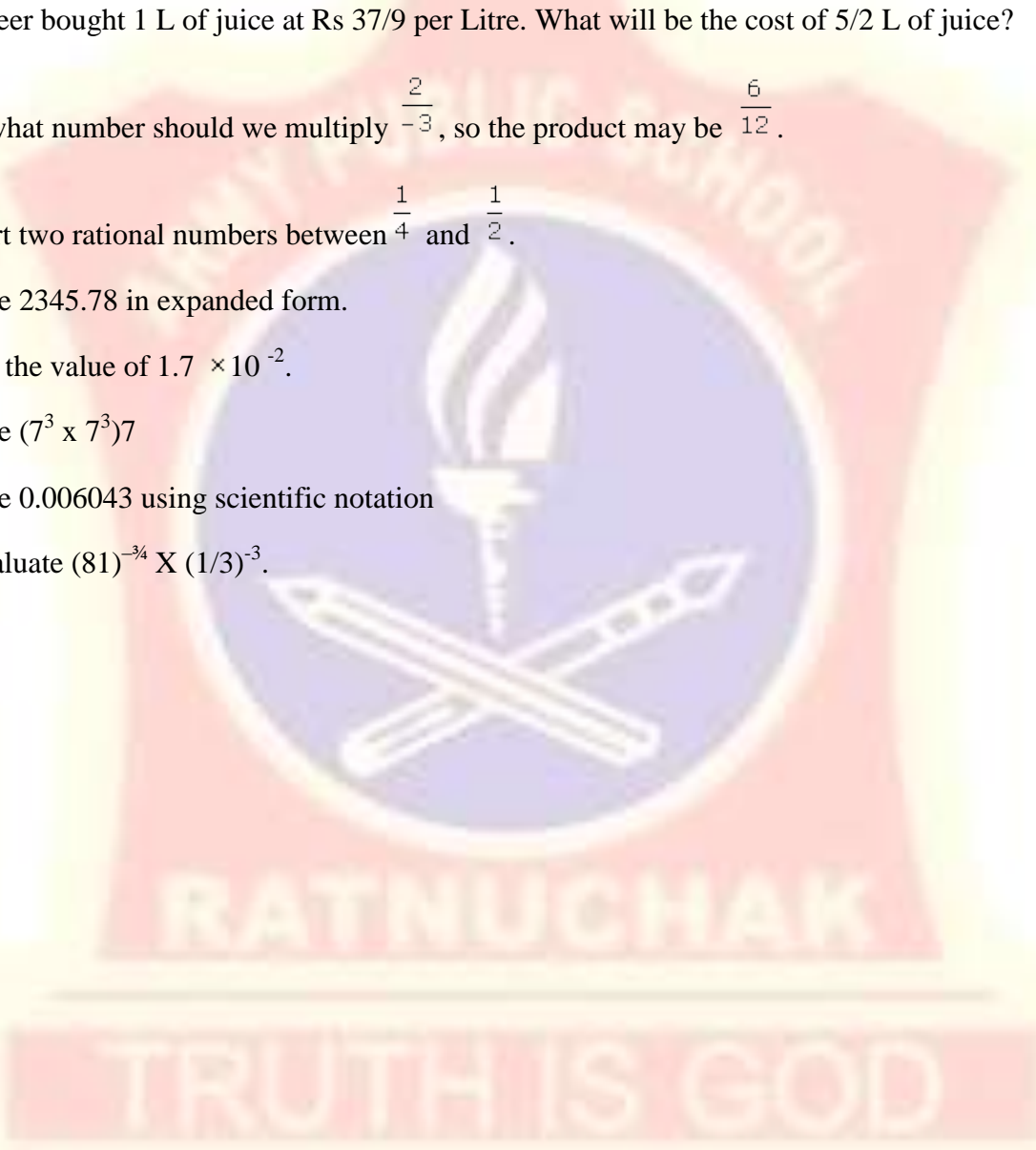
6. Write 2345.78 in expanded form.

7. Find the value of  $1.7 \times 10^{-2}$ .

8. Solve  $(7^3 \times 7^3)^7$

9. Write 0.006043 using scientific notation

10. Evaluate  $(81)^{-\frac{3}{4}} \times (1/3)^{-3}$ .



**ARMY PUBLIC SCHOOL RATNUCHAK**

**SESSION: 2016-17**

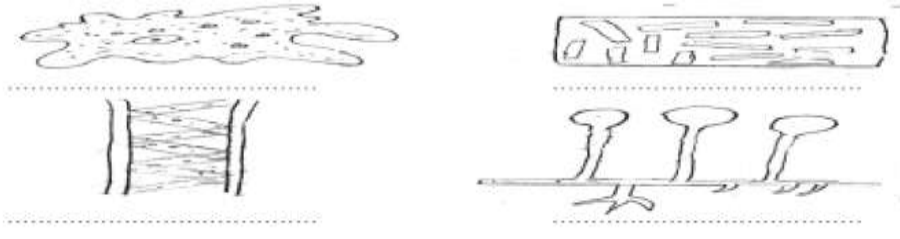
**WRITTEN ASSIGNMENT**

**CLASS: VIII**

**SUBJECT: SCIENCE**

1) Identify the class of micro organisms to which the following organisms belong.

Key -- Algae, Protozoa, Fungi, Bacteria



Q2 Define the following terms

a) Fermentation \_\_\_\_\_

\_\_\_\_\_

b) Pasteurisation \_\_\_\_\_

\_\_\_\_\_

c) Communicable Diseases \_\_\_\_\_

\_\_\_\_\_

Q3 What are microorganisms?

\_\_\_\_\_  
\_\_\_\_\_

Q4 Name the device through which we see the microorganism. \_\_\_\_\_

Q5 What are pathogens? Give some examples?

\_\_\_\_\_  
\_\_\_\_\_

Q 6 Give some techniques to preserve the food?

\_\_\_\_\_  
\_\_\_\_\_

Q7 Match the following

<b>Disease</b>	<b>Causative pathogen</b>
Foot and mouth disease	Bacterium
Anthrax	Protozoa
Rust of wheat	Virus
Malaria	Bacterium
Cholera	Fungus

Q8 Give one word for the following statements:-

- a) The organisms which we cannot see with naked eyes. \_\_\_\_\_
- b) Bacteria which promotes the formation of curd. \_\_\_\_\_
- c) The medicines used to kill or stop the growth of micro organisms. \_\_\_\_\_
- d) Cholera, common cold, chicken pox and tuberculosis is are examples of \_\_\_\_\_
- e) Malaria is caused by \_\_\_\_\_

Q9 Describe the role of rhizobium in maintaining soil fertility

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Q10 Complete the following table

Disease	Method of spread	Causative pathogen	Prevention
Chickenpox			
Common cold			
Malaria			
Typhoid			

**HISTORY LESSON-2**

1. Who was governor-general from 1798 to 1805?
2. Why did the new routes were founded?
3. Who was Mir Zafar? What did Clive promised him?
4. Name how many battles were fought between British and kingdoms of Mysore?
5. When did the third Anglo Maratha war was fought? What was its outcome?

**GEOGRAPHY LESSON-2**

1. Mention measures for preventing land resources?
2. How is laterite soil different from red soil?
3. Where are most of the glaciers located?
4. How are dams helpful to us.
5. Explain the difference between perennial and seasonal rivers?