

E 706

Basic Science

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First Term Evaluation 2019-20

Time : 2 hours

Class 7

Instructions

- 15 minutes cool-off time for reading the questions.
- 2. TEN activities are given.
- 3. Answer any EIGHT activities.

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	Blue litmus	Red litmus	Methyl orange	Turmeric	
Sample -1	Blue	Blue	light yellow -	Red .	
Sample - 2	Red	Red	light pink	Yellow	
Name two Find the o	o natural indica dd one from th	ators that can be	ple - 2 have?		
Name two Find the o i) b ii) so iii) so iii) V iii) Li	o natural indica odd one from th uttermilk oap water V inegar ime water	ators that can be he following		he distance to the ima	

Activity - 3

The data collected by visiting the fields of two farmers practicing integrated farming is given below.

	Total	Paddy	1	Coconut	farming	farming	Apiculture	Availability of water
	agricultural	al cultivation	Tarming	and the second second				available
E	2 4 000	1 Acres	20 cents	100	10	100	50 boxes	available



Activity - 4

- a) You want a hibiscus plant having three different flowers in your biodiversity park. Which method do you adopt for this?
- b) Following are the activities done by a student for this. Arrange the steps in the correct order.



Cut the bud from different types of plants.

c) Write two things to be considered when you select plants for budding.

Activity 5

The following are the peculiarities of two types of guava.

Variety A	High resistance to disease	Fruits are less	Fruits are small in size
Variety B	Low resistance to disease	Fruits are more sweet	Fruits are big in size <i>s</i>

- a) Write the peculiarities of the saplings produced by hybridisation of these two varieties.
 - Sapling 1 Low resistance to disease, less sweet, big in size

Sapling 2

Sapling 3

Sapling 4

Sapling 5

b) Write the peculiarities of hybrid plants which have the most desirable qualities of these two varieties.

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c) Write the names of any two hybrid paddy seeds.

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Activity-6

- Support of Contraction Prepare a questionnaire for conducting an interview with the agricultural officer (minimum 6 a) questions) related to crop management (Pest control, intercropping, organic farming).
- Explain the method of preparation of any one of the bio pestisides. b)

Activity - 7

Observe the picture of a glass rod placed in the liquids in a glass.



- How does the glass rod appear? a)
- What is the reason for this? Explain b)
- Write any two situations where we can observe this phenomenon of light. c)

Activity - 8

- Pickle is kept in a metal containers in the kitchen. Is it the right practice? Justify your opinion. a)
- Name two acids used in laboratories. b)

Activity – 9

Experiments done by a student in a bright noon are given below. Read it.

Activity 1	Activity 2	Activity 3	
Let the sunlight fall on a paper, through a convex lens	Let the sunlight fall on a paper through a transparent plain glass	Let the sunlight fall on a paper through a thick cooling glass.	

- After a while the paper in the activity 1 burns. Why? a)
- In activity II the paper gets heated but in activity III the paper is not heated well. What is the b) reason?
- The image can be made to fall on the screen using a convex lens. But it is not possible in a c) concave lens. Why?

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Activity - 10

a) Complete the concept map given below



b) Write any two important things to be considered while making a periscope.

