July 2024

GUPS Klari First mid term Exam Class - 7 **Basic Science**

Time: 40 minute

Score : 15

EM

Activity 1

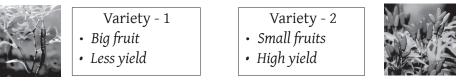
Observe the picture of a branch which is separated from its parent plant after sprouting roots. A) Write the name of this method of producing new plantlet. (1)

- *B*) Write down the advantages of plantlets produced through this method. (2)
- *C*) The steps of producing new plantlets in this method are given below. *Write them in the correct order. (2)*

 Apply a slightly wet mixture of cocopeat, soil and cow dung powder in this area and Wrap with a polythene bag. Select a pencil-sized stem of the mother plant. 	 Cut the stem just below the area of layering when the roots are sprouted and this can be planted in a grow bag. Make a cut of 2-3 cm length in a circular shape on the bark in between two nodes of this stem.
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Activity 2

Note the characteristics of the two chili plants.



A) Which of the following should be adopted to produce a plant with many big chillies using these plants (1) 1) Budding 2) Layering 3) Hybridization 4) Grafting

B) Classify the following plants and seeds into suitable groups. (2)

Chandrasankara, Paddy, Bhagyalakshmi, Coconut, Pavithra, Salkeerthi, Jyothika, Kiran, Chandralaksha, Lady's finger, Annapoorna, Pea

C) Why do humans directly pollinate when producing seeds by hybridization? (2)

Activity 3



The child plants mango sapling with great expectations. Do farmers have certain goals when planting each crop?

A) Complete the table (4).

Goals of farming	Methods to achieve
Should get good yield.	1) 2)
Should yield quickly	

B) Write examples of plants which can reproduce both through sexual reproduction and vegetative propagation? (1)