

**Model Question Paper**  
**Botony-Biology in human welfare-Part II**  
12th Standard

**Biology**

Reg.No. : 

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I. Answer all the questions.

II. Use Blue pen only.

Time : 01:00:00 Hrs

Total Marks : 70

5 x 1 = 5

**Part-A**

- 1) Mutation can be induced by  
(a) Colchicine (b) Polyethylene glycol (c) Caesium(Nitromethyl urea) (d) Nitric acid
- 2) The disease citrus canker is caused by  
(a) Virus (b) fungi (c) algae (d) bacteria
- 3) A plant, producing a protein several 100 times as sweet as sugar is  
(a) pentadiplandra brazzeana (b) Catharanthus roseus (c) Cola nitida (d) Acacia nilotica
- 4) Cissus quadrangularis is commonly called as  
(a) Vilvam (b) Poonamayakki (c) Pirandai (d) Manathakkali
- 5) Aegle mormelos belongs to the family  
(a) Vitaceae (b) Rutaceae (c) Poaceae (d) Euphorbiaceae

**Part-B**

- 6) Write the medicinal value of Aegle mormelos.
- 7) Mention any three aims of plant breeding.
- 8) What is humulin?
- 9) What are the Major aspects of plant breeding?
- 10) What are called Gene or Gemplasm banks?
- 11) What is mass selection?

6 x 3 = 18

**Part-C**

- 12) Bring out the economic importance of teak.
- 13) Write the economic importance of rice.
- 14) Write a brief account of Tikka disease of Ground nut.
- 15) Write a short note on Citrus canker.
- 16) Write a note about Mycorrhize.
- 17) Write a short note on Biopatent.
- 18) Write the economic importance of Groundnut. (any five points)
- 19) Write the economic importance of Cotton. (any five points)
- 20) Write the advantages of biofertilizers.

9 x 5 = 45

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