

Model Question Paper
Botony-Biology in human welfare-Part I
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 : 60

5 x 1 = 5

Part-A

- 1) When chromosome number is doubled by itself in the same plant, it is called
(a) Autopolyploidy (b) Allopolyploidy (c) Aneuploidy (d) Hyperploidy
- 2) Which of the following is not a mutagen
(a) Ethyl methane sulfonate (b) caesium (c) Colchicine (d) Nitromethyl urea
- 3) Kuppaimeni refers to
(a) Aegle mormelos (b) Solanum nigrum (c) Mimosa pudica (d) Acalypha indica
- 4) Mimosa pudica refers to
(a) Touch-Me-Not Plant (b) Kuppaimeni (c) Prandai (d) Vilvam
- 5) The medicinal compounds extracted from solanum nigrum are
(a) Solania and saponin (b) Mimosine (c) Prescene and tetracyclic triterpenoids (d) Coumarin and marmelosin

Part-B

- 6) Write a note a about Mycorrhiza.
- 7) Write the medicinal uses of Solanum nigrum.
- 8) Write a note about Edible interferons.
- 9) What is the use of Nif-gene?
- 10) Write any three economic importance of cotton.

5 x 3 = 15

Part-C

- 11) Write the economic importance of rice.
- 12) Write a brief account of Tikka disease of Ground nut.
- 13) Write a short note on Citrus canker.
- 14) Write a note about Mycorrhize.

4 x 5 = 20

Part-D

- 15) a) Write a short note on Biopatent.
b) Write the economic importance of Groundnut. (any five points)
- 16) a) Write the economic importance of Cotton. (any five points)
b) Write the advantages of biofertilizers.

2X10=20
