

BOTANY PAPER - II : BOT-122
Economic Botany
(12146)

P. Pages : 2

Time : Two Hours

Max. Marks : 40

Instructions to Candidates :

1. Do not write anything on question paper except Seat No.
2. Answer sheet should be written with blue ink only. Graph or diagram should be drawn with the same pen being used for writing paper or black HB pencil.
3. Students should note, no supplement will be provided.
4. Figures to the right indicate full marks.
5. All questions are compulsory.
6. Draw neat diagrams wherever necessary.

1. Solve any eight.

8

- i) The common name of phyllanthus emblica is
 - a) Hirda
 - b) Amla
 - c) Coconut
 - d) Beheda
- ii) Medicago sativa is an important source of
 - a) Pulses
 - b) Cereals
 - c) Fodder
 - d) Oils
- iii) Stimulating and refreshing properties in tea are due to.....
 - a) Caffine
 - b) Theine
 - c) Reserpine
 - d) Melanin
- iv) Arachis hypogea seeds are important source of
 - a) Proteins
 - b) Oil
 - c) Fodder
 - d) Carbohydrate
- v) Cocos nucifera is used as a source of.....
 - a) Textile fibre
 - b) Coir
 - c) Paper
 - d) Fodder
- vi) A chemical 'azadirachtin' is commonly obtained from.....
 - a) Aloe
 - b) Neem
 - c) Turmeric
 - d) Karanj
- vii) Which of the following is known as Indian Rubber ?
 - a) Hevea brasiliensis
 - b) Taraxacum koksaghyz
 - c) Ficus elastica
 - d) Parthenium argentatum

viii) Major component of biogas is

- a) Carbon dioxide b) Methane
c) Oxygen d) Hydrogen sulfide

ix) Oryza Sativa is a rich source of

- a) Carbohydrates b) Fats
c) Minerals d) Proteins

x) Which one of the followings is known as 'Father of Indian green revolution' ?

- a) Dr. M. P. Singh b) Dr. M. S. Swaminathan
c) Gregor Mendel d) Dr. N. E. Borloug.

2. Solve any four.

8

- i) Give active principles of hirda.
- ii) What are biofuels ?
- iii) Define spices and condiments.
- iv) Give the uses of chick pea.
- v) What are the basic elements in the method of green revolution.
- vi) Which crops are important in the industrial revolution in India.

3. Attempt any two.

8

- i) Give chemical properties and uses of Rubber.
- ii) Give chemistry, characteristics and uses of cane sugar.
- iii) Write a note on Vavilov's concept of origin of cultivated plants.

4. a) Solve any two.

6

- i) Give the uses of paper and paper products.
- ii) Give the chemical contents and uses of wheat.
- iii) Give botanical source, chemical content and uses of Banana.

b) Give the uses of alfalfa.

2

5. Mention the process of extraction of groundnut oil.

8

OR

Explain the process of Biogas generation
