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BOTANY PAPER – II : BOT-112
Plants for Human Welfare
(114102)

Time : Two Hours

Max. Marks : 60

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

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- i) Solanum Melongena is the botanical name of.....
 - a) Spinach
 - b) Brinjal
 - c) Wheat
 - d) None of these
- ii) Musa Paradesica is botanical name of.....
 - a) Banana
 - b) Jatropha
 - c) Rice
 - d) Berseem
- iii) The plants used as fodder are.
 - a) Lucerne
 - b) Coir
 - c) Berseem
 - d) Both a and c
- iv) The plant used for good quality of timber is.....
 - a) Jatropha
 - b) Karanj
 - c) Neem
 - d) Teak
- v) Find out spinach from following.
 - a) Capsicum
 - b) Coriander
 - c) Cinnamon
 - d) All of these
- vi) Find out medicinal plant from the following.
 - a) Aloe
 - b) Behada
 - c) Neem
 - d) All of these

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P.T.O.

- vii) is source of Bio-energy.
a) Adulsa b) Jatropha
c) Guava d) None of these
- viii) Source of alkaloid caffeine is.....
a) Tea b) Coffee
c) Both a and b d) None of these

b) Attempt **any six** of the following.

6

- Name the plants used for construction and making furniture.
- Give botanical name of plant used as source of energy.
- What is Botanical name of plant used in textile industry.
- What are the sources of proteins.
- Give Botanical source of fodder plant.
- Give Botanical source of oil yielding plant.
- Give Botanical source of condiments.
- Give active principle in coffee.

2. Attempt any **six** of the following.

12

- Define Green revolution.
- Give chemical composition of gram.
- Give chemical composition of Beheda.
- Enlist four centres of origin of plants.
- Chemical composition of Guava.
- Enlist medicinal plants.
- Enlist the plants used for vegetables.
- Enlist the spices and condiments.
- Enlist the plants used as food.

3. Attempt **any four** of the following. 12
- a) Give importance of spices and condiments.
 - b) Give characteristics of Groundnut oil.
 - c) Give characteristics of medicinal plant Hirda.
 - d) Give characteristics of Shisam.
 - e) Comment on concept of energy plantation.
 - f) Give Botanical sources and uses of Spinach.
4. Attempt **any three** of the following. 12
- a) Give chemical constituents and uses of wheat.
 - b) Give Botanical source, plant part used and uses of neem.
 - c) Give chemical constituents and uses of castor.
 - d) Give Botanical source, plant part used and uses of coriander.
 - e) Give Botanical source and uses of Berseem.
5. Attempt **any two** of the following. 12
- a) Give Botanical source, chemical content and uses of pigeon pea.
 - b) Comment on plant and plant products used for Human welfare.
 - c) Give Botanical source, characteristics and uses of Teak.
