

Time : Two Hours

Max. Marks : 60

Instructions to Candidates :

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.

1. a) Attempt any six of the following.

6

- are common spices used in India.
 - Capsicum
 - Cinnamon
 - Both a and b
 - None of these
- Find out non-medicinal plant from following.
 - Hirda
 - Amla
 - Beheda
 - Wheat
- The plants used for source of energy are
 - Wheat
 - Rice
 - Coriander
 - Both a and b
- Find out oil yielding plant from following.
 - Spinach
 - Wheat
 - Adulsa
 - Ground nut
- The plant used for source of protein is
 - Castor
 - Spinach
 - Pigeon pea
 - Cardamom
- is known as father of Indian green revolution.
 - Norman E. Borlaug
 - Dr. M. S Swaminathan
 - N. I. Vavilov
 - None of these

- vii) The plant used as source of beverage is.
- | | |
|-----------------|------------------|
| a) Tea | b) Coffee |
| c) Both a and b | d) None of these |
- viii) Find out Fibre yielding plant from the following.
- | | |
|-----------|-----------------|
| a) Castor | b) Cotton |
| c) Coir | d) Both b and c |

b) Attempt any six of the following.

6

- i) Give Botanical source of Gram.
- ii) Give Botanical source of Guava
- iii) What is Botanical name of Cardamom?
- iv) ~~What is Botanical name of castor?~~
- v) Give Botanical source of Tea?
- vi) Give Botanical source of Fodder plant.
- vii) What is Botanical name of Karanj.
- viii) Botanical name of Teak.

2. Attempt any six of the following.

12

- Define Green Revolution.
- What are cereals.
- What are pulses.
- Give chemical composition of brinjal.
- ~~Give chemical composition of cinnamon.~~
- Give chemical composition of coffee.
- Enlist at least four medicinal plants.
- Define bioenergy.
- Give chemical composition of Banana.

3. Attempt **any four** of the following. 12
- a) Give uses of Rice.
 - b) Comment on uses of Banana.
 - c) Comment on uses of Chilies.
 - d) Give use of coir.
 - e) Give Active principle and uses of Tea & coffee.
 - f) Give uses of spinach.
4. Attempt **any three** of the following. 12
- a) Comment on characteristics and uses of Ground nut.
 - b) Give chemical composition and uses of Lucerne.
 - c) Give characteristics and uses of Shisham.
 - d) Comment on various sources of bio-energy.
5. Attempt **any two** of the following. 12
- a) Give Botanical source, chemical composition and uses of Jatropha.
 - b) Define spices, Botanical source, chemical composition and uses of coriander.
 - c) Give Botanical sources and uses of cotton.
