

--	--	--	--	--	--



★ 1 0 6 3 ★

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 labelled diagram wherever necessary.

1. a) Attempt any six of the following.

6

- 1) Adhatoda vasica is scientific name of the plant-----
a) Capsicum b) Rice
c) Adulsa d) wheat
- 2) -----is known as father of green revolution.
a) Norman E. Borlaug b) Dr. M. S. Swaminathan
c) N. I. Vavilov d) All of them
- 3) The plants used as fodder are
a) Luceme b) Coir
c) Berseem d) Both a and c
- 4) Plants used as source of Bio-energy are
a) Jatropha b) Karanj
c) Both a and b d) None of these
- 5) Fibre yielding plants are
a) Coccus nucifera b) Gossypium hirsutum
c) Ricinus Communis d) All of these
- 6) And oil yielding plants
a) Castor b) Groundnut
c) Soybean d) All of these

- 7) Vavilov recognised -----Centres of origin of crop plants.
- | | |
|-------|-------|
| a) 8 | b) 9 |
| c) 10 | d) 12 |

- 8) Find out medicinal plant.
- | | |
|-------------------------------|------------------------------|
| a) <u>Terminalia Belerica</u> | b) <u>Terminalia chebula</u> |
| c) <u>Adhatoda vasica</u> | d) <u>All of these</u> |

b) Attempt any six of the following.

6

- What are the sources of proteins.
 - What are the sources of fibres.
 - What are botanical sources of fodder.
 - Give Botanical sources of condiments
 - Give active principal of Tea & Coffee.
 - Give source of oil yielding plants.
 - What are sources of timber.
-
- Give botanical sources of vegetables.
 - Give sources of medicinal plants.

2. Attempt any six of the following.

12

- Define green revolution
- Enlist four Centres of origin of crops.
- Give chemical constituent of tea.
- Give chemical constituents of banana.
- Give chemical constituent of Adulsa.
- What are cereals?
- What are Fibres?
- Define spices?
- Define bio-energy.

3. Attempt **any four** of the following. 12
- a) Give Characteristics of medicinal plants behada.
 - b) Give Characteristics of Teak.
 - c) Comment on Concept of energy plantation
 - d) Give uses of gram
 - e) Give uses of cinnamon
 - f) Give botanical source & uses of Coir.
4. Attempt **any three** of the following. 12
- a) Chemical constituent and uses of groundnut.
 - b) Chemical constituent and uses of Neem
 - c) Give botanical sources and uses of brinjal.
 - d) Give botanical sources and uses of karanj.
 - e) Comment on structure of fibres.
5. Attempt **any two** of the following. 12
- a) Comment on plants and plant product used for human welfare.
 - b) Give botanical sources, Characteristics and uses of Jatropha
 - c) Give botanical sources, Active principles and uses of capsicum
