

Seat Number

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शर्य - 034

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

P. Pages : 3

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. Figures to the right indicate full marks.
5. All questions are compulsory.
6. Draw neat diagrams wherever necessary.

1. a) Attempt **any six** of the following.

6

i) Find out sources of food from the following.

- | | |
|-----------------------------|------------------------|
| a) <u>Triticum aestivum</u> | b) <u>Oryza sativa</u> |
| c) Both a & b | d) None of these |

ii) Which of the following is a medicinal plant.

- | | |
|-------------------------|-------------------------------|
| a) <u>Gossypium</u> | b) <u>Terminalia belerica</u> |
| c) <u>Cajanus cajan</u> | d) None of these |

iii) Medicago sativa is a -----

- | | |
|--------------------|-----------------|
| a) Food plant | b) Fodder plant |
| c) Medicinal plant | d) Timber plant |

iv) Which of the following plant is a used as beverages.

- | | |
|------------------------|--------------------------|
| a) <u>Trigonella</u> | b) <u>Coffea arabica</u> |
| c) <u>Oryza sativa</u> | d) All of these |

v) Bio-energy can be produced from the plants like -----

- | | |
|--------------------|--------------------|
| a) <u>Jatropha</u> | b) <u>Triticum</u> |
| c) Tea | d) All of these |

vi) Triphala Churna is prepared from.

- | | |
|------------------|------------------|
| a) <u>Hirida</u> | b) <u>Behada</u> |
| c) <u>Amla</u> | d) All of these |

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vii) Textile fibers are obtained from -----

- | | |
|-----------|-----------------|
| a) Cotton | b) Hemp |
| c) Flax | d) All of these |

viii) Find out oil yielding plant from the following.

- | | |
|---------------------------|----------------------------|
| a) <u>Arachis hypogea</u> | b) <u>Ricinus communis</u> |
| c) <u>Cocos nucifera</u> | d) All of these |

b) Answer the following in one sentence **any six**.

6

- i) What are cereals
- ii) Give Botanical source of Banana.
- iii) Give Botanical source of Berseem.
- iv) Give Botanical source of castor.
- v) Give Botanical source of Amla
- vi) Give Botanical source of shisam
- vii) Give Botanical source of Karanj
- viii) Give Botanical source of teak.

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

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- i) Enlist plants used as food.
- ii) Give chemical composition of Guava.
- iii) Give chemical composition of Spinach.
- iv) Give chemical composition of cinnamon.
- v) Give characteristics of castor oil.
- vi) Enlist the medicinal plants studied by you.
- vii) Give active principles of coriander.
- viii) Enlist Fiber yielding plants.
- ix) Give active principles of chickpea.

3. Attempt **any four** of the following.

12

- i) Give botanical source and characteristics of ground nut oil.
- ii) Comment on importance of spices and condiments.
- iii) Comment on characteristics of Amla.
- iv) Comment on concept of energy Plantation.
- v) Give characteristics of shisam.
- vi) Comment on structure of fibers.

4. Attempt **any three** of the following.

12

- i) Comment on uses of pulses.
- ii) Comment on uses of Teak.
- iii) Give uses of Capsicum.
- iv) Give uses of coffee.
- v) Give uses of Adulsa.

5. Attempt **any two** of the following.

12

- i) What are centers of origin of crops. Comment on any two centers of origin of crops.
- ii) Define spices and condiments and comment on chemical content of Ca.
- iii) Give Botanical source, Active principle and uses of Aloe vera.
