

**B.Sc. BOTANY
FIFTH SEMESTER
ECONOMIC BOTANY
BSB-502**

**SET
A**

[USE OMR SHEET FOR OBJECTIVE PART]

Duration: 3 hrs.

Full Marks: 70

Time: 30 mins.

(Objective)

Marks: 20

Choose the correct answer from the following:

1×20=20

- The original home of Rice is:
 - South-East Asia
 - Mediterranean
 - Europe
 - China
- Identify the fiber yielding plant.
 - Shorea robusta*
 - Corchorus olitorius*
 - Tactona grandis*
 - Hevea brailensis*
- Name the scientific name of rubber plant.
 - Hevea brasiliensis*
 - Michelia champaca*
 - Tectona grandis*
 - Cedrus depdara*
- Cereals belong to family:
 - Gramineae
 - Crucifereae
 - Solanacae
 - Leguminosae
- Identify the timber yielding plant.
 - Hevea brailensis*
 - Azadirachta indica*
 - Tactona grandis*
 - None of these
- Name the fiber that is extracted from jute plant.
 - Surface fiber
 - Bast fiber
 - Seed fiber
 - All of these
- Jute fiber is obtained from:
 - Secondary xylem
 - Secondary phloem
 - Primary phloem
 - None of these
- Azadirachta indica* is the scientific name of which plant?
 - Jute
 - Neem
 - Cotton
 - Tea
- Curcuma longa* is the scientific name of which plant?
 - Turmeric
 - Onion
 - Garlic
 - Ginger
- One of the following is a plant of great medicinal value.
 - Solanum toroum*
 - Lycopersicon esculentum*
 - Ocimum basilicum*
 - Coffea arabica*

"Gingerol" is extracted from:

- a. Garlic
- b. Turmeric
- c. Onion
- d. Ginger

The king of "spices":

- a. Cardamom
- b. All spice
- c. Pepper
- d. Turmeric

The queen of "spices"

- a. Turmeric
- b. Ginger
- c. Saffron
- d. Cardamom

Rice is the principal cereal of:

- a. Tropics
- b. Temperate Region
- c. South Pole
- d. Arctic Zones

Food grains which provide the most important staple food to man are:

- a. Cereals
- b. Legumes
- c. Oil seed
- d. Mistletoe

Richest source of carbohydrate is:

- a. Barley
- b. Maize
- c. Wheat
- d. Rice

Botanical name of Wheat is:

- a. *Pennisetum typhoides*
- b. *Triticum aestivum*
- c. *Aloe vera*
- d. *Zea mays*

The largest fruit:

- a. Jack fruit
- b. Coconut
- c. Papaya
- d. Pineapple

The desired varieties of economically useful crops are raised by:

- a. Vernalization
- b. Natural selection
- c. Mutation
- d. Hybridisation

Air pollution effects are usually found on:

- a. Flowers
- b. Stems
- c. Leaves
- d. Roots

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(Descriptive)

Time : 2 hr. 30 mins.

Marks : 50

[Answer question no.1 & any four (4) from the rest]

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|---|----------|
| 1. Write briefly about plants used as avenue trees for shade, pollution control and esthetics. | 10 |
| 2. Discuss about two fibre yielding plants. | 5+5=10 |
| 3. Describe about products and by-products of sugar industry. | 10 |
| 4. Write scientific name, family, characteristics and medicinal uses of <i>Cinchona</i> and <i>Andrographis</i> . | 5+5=10 |
| 5. Write scientific name of tea. Discuss the characters of its family. Describe the method of tea processing. | 1+2+7=10 |
| 6. Write briefly about two timber yielding plants. | 5+5=10 |
| 7. Define spice. Illustrate different types of spices used in North East. | 2+8=10 |
| 8. Write short notes on:
a) Crop domestication or Concept of Centre of origin
b) Ornamental plants | 5+5=10 |

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