

B.Sc. BOTANY
FIFTH SEMESTER [SPECIAL REPEAT]
ECONOMIC BOTANY
BSB-502

SET
A

[USE OMR SHEET FOR OBJECTIVE PART]

Duration: 3 hrs.

Full Marks: 70

Time: 30 mins.

Marks: 20

(Objective)

Choose the correct answer from the following:

1 × 20 = 20

1. Name the types of domestication where Humans and plants became dependent on each other.
 - a. Incidental
 - b. Directed
 - c. Agriculture
 - d. All of the above
2. The process in which wild plants get evolved into crop plants through artificial selection is known as:
 - a. Domestication
 - b. Hybridization
 - c. Wild plant
 - d. All of the above
3. The percentage of tannin and theine in tea ranges from:
 - a. 13-18% tannin and 2-5% theine
 - b. 10 - 15 % tannin and 1-6% theine
 - c. 12-16% tannin and 1-6% theine
 - d. 13- 17% tannin and 2-8% theine
4. The lowest grade of tea:
 - a. Broken Orange Pekoe
 - b. Pekoe
 - c. Dust
 - d. Orange Pekoe
5. India stands third in the world in the production of:
 - a. Clove
 - b. Chilli
 - c. Cardamom
 - d. Tobacco
6. Fumitories are substances which used as:
 - a. Smoking
 - b. Chewing
 - c. Condiments
 - d. Beverage
7. Betel, Tobacco, Kattha and Supari are:
 - a. Fumitories
 - b. Masticatories
 - c. Narcotic
 - d. Spice
8. Plants of new origin include:
 - a. Plants cultivated for over 2000 years and probably more than 4000
 - b. Plants cultivated for over 1000 years and probably more than 4000
 - c. Plants cultivated for over 1000 years and probably more than 2000
 - d. Plants cultivated for over 2000 years and probably more than 5000
9. Which of the following is not timber yielding plant?
 - a. Acacia nilotica
 - b. Shorea robusta
 - c. Desmanthus virgatus
 - d. Toona ciliata

10. Plants inducing drowsiness, sleep and insensibility is:
a. Coffee
b. Coca
c. Tulsi
d. Catnip
11. What is the protein content in white rice?
a. 4-5%
b. 6-7%
c. 3-4%
d. 7-9%
12. Which of the following crop has the highest cultivated area in the world?
a. Rice
b. Wheat
c. Barley
d. Bajra
13. Wheat belongs to the family?
a. Gramineae
b. Poaceae
c. Grass family
d. All of these
14. Which of the following step is not involved in black tea manufacturing?
a. Drying and Firing
b. Rolling
c. Withering
d. Lump formation
15. What is the biological source of cinchona?
a. Bark of root
b. Bark of stem
c. Leaves
d. Both a & b
16. What is the most used herbicide in the rice cultivation?
a. Propanil
b. Atrazin
c. Sulphur
d. 2,4-D
17. Which of the following test is needed for grading of coffee?
a. Visual test
b. Aroma test
c. Tasting by cupper
d. All of these
18. The alkaloid present in medicinal plants are:
a. Salts of organic acid
b. Salts of inorganic acid
c. Salts of acetic acid
d. Salts of benzoic acid
19. The quinine percentage of 5.49% is obtained from the plant:
a. *Cinchona ledgeriana*
b. *Cinchona khasya*
c. *Cinchona succirubra*
d. *Cinchona robusta*
20. *Tectona grandis* belongs to the family:
a. Dipterocarpaceae
b. Meliaceae
c. Verbenaceae
d. Abietaceae

(Descriptive)

Time : 2 hr. 30 mins.

Marks : 50

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

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| 1. Discuss in details the origin of cultivated plants. | 10 |
| 2. Write the characteristics and medicinal uses of Rauwolfia and Cinchona. | 5+5= 10 |
| 3. What is Sericulture? Discuss about a plant that is used in sericulture and area with mulberry production in India. | 2+8= 10 |
| 4. What is plant domestication? Discuss in detail the types of plant domestication and its scope. | 2+4+4= 10 |
| 5. a) What is masticatories and fumitories and give an example of each with scientific name.
b) Define narcotic and discuss briefly its uses and production in India. | 5+5= 10 |
| 6. Write in brief the origin, cultivation and processing of Tea. | 10 |
| 7. Write a brief note on ornamental and avenue trees of India. | 10 |
| 8. Write short notes on the following:
a) By-products of sugarcane
b) Timber yielding plants of Assam | 5+5= 10 |

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