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B.Sc./4th Sem (H)/BOT/23(CBCS)

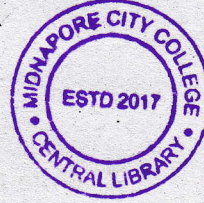
2023

4th Semester Examination

BOTANY (Honours)

Paper : SEC 2-T

[CBCS]



Full Marks : 40

Time : Two Hours

*The figures in the margin indicate full marks.  
Candidates are required to give their answers  
in their own words as far as practicable.*

**(Medicinal Botany)**

**Group - A**

Answer any *five* questions :  $2 \times 5 = 10$

1. What is polyherbal formulation?
2. Name two ethnic communities in West Bengal.
3. What is sacred grove?
4. What is folk medicine?
5. Define siddha medicine. Who is called as the father of Siddha system of medicine?
6. What are the ethnobotany and folk medicine?

P.T.O.

( 2 )



7. What is Palaeo-ethnobotany?  
8. Give examples of one national and one international botanical garden.

**Group - B**

Answer any *four* questions : 5×4=20

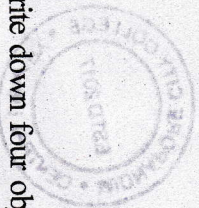
9. Write down the differences between : (i) Ethnobotany and Ethnocoology; (ii) Ayurveda and Unani. 2½×2  
10. Explain Biosphere Reserve and National Park. Name one of each from India. 3+2  
11. Write down the scientific name of the plant which can cure jaundice, infertility, diabetes, blood pressure and skin disease. 5  
12. Explain endangered and endemic plants. Name two endangered medicinal plants. 3+2  
13. What is Rasayana? Explain Umoor-e-tabiya. 2½×2  
14. What is Saptadhātu concept? Name two Ayurvedic texts. 3+2

**Group - C**

Answer any *one* question : 10×1=10

15. Write the scopes of medicinal Botany in the field of modern medicine. Explain Panchamahabhūta in Ayurveda. Write about the treatments of tumors through Unani system. 3+4+3

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16. Write down four objectives of the nursery. Describe plant propagation through layering and grafting. Give examples of two Indian national parks. What is red list criteria? 2+5+1+2





( 4 )

OR



**(Mushroom Culture Technology)**

**Group - A**

Answer any *five* questions : 2×5=10

1. What is thatched house?
2. Name two poisonous mushroom.
3. Mention two factors affecting mushroom bed preparation.
4. What is inoculation hook?
5. Name scientific name of two edible mushrooms.
6. What is casing?
7. What is Spawn?
8. What is mushroom bed?

**Group - B**

Answer any *four* questions : 5×4=20

9. How can you differentiate poisonous and edible mushroom?
10. Describe the methods for spawn preparation.
11. Write down different types of food prepared from mushroom
12. Describe the characters of mushroom farming.

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13. Give details of a cost benefit from mushroom farming.
14. Mention the name of some national and regional level mushroom cultivation research centre.

**Group - C**

Answer any *one* question : 10×1=10

15. Describe the different preservation techniques of mushroom. How media for mushroom culture are sterilized? 6+4
16. Write on nutritional and medicinal values of edible mushroom. How compost is prepared using mushroom bed waste? 6+4