**Reg. No. :** ☐☐☐☐☐☐☐☐☐☐☐☐

### Question Paper Code: U9C72

B.E./B.Tech. DEGREE EXAMINATION, NOV 2024

Open Elective

Biotechnology

21UBT972 - HERBAL MEDICINES

(Common to All Engineering branches)

(Regulations 2021)

Duration: Three hours                                        Maximum: 100 Marks

Answer All Questions

PART A - (10 x 2 = 20 Marks)

| | | |
|---|---|---|
| 1. | What are the earliest works in ayurvedic medical practices? | CO1-U |
| 2. | How medicinal plants are classified based on its therapeutic effect? | CO1-U |
| 3. | Define Law of Similia. | CO1-U |
| 4. | Apply the factors that are considered to be important in maintaining a balance in Siddha System of medicine. | CO2-App |
| 5. | Write a note on prebiotics and probiotics. | CO1-U |
| 6. | How can you use garlic as a nutraceutical for Cardiovascular disease? | CO1-U |
| 7. | Point pout the allergic reactions of kava-kava. | CO2-App |
| 8. | Define the term Drug interaction. | CO1-U |
| 9. | Highlight the Powers of the Central and State Governments under the Protection of Plant Varieties and Farmers' Rights Act 2001 | CO1-U |
| 10. | Discuss the remedies available against infringement of Breeder's Right | CO2-App |

PART – B (5 x 16= 80 Marks)

11. (a) Relate the importance of traditional Indian remedies and regional folklore in modern medicine.          CO1-U          (16)

Or

(b) Evaluate the organoleptic properties of herbal plants and what criteria would you apply in analyzing the selection of raw material.          CO1-U          (16)

12. (a) How the principles of Siddha System of Medicine is applied in diagnosis and treatment of diseases? How it is different from other Indian Medicine System.    CO2-App    (16)

Or

(b) Describe in detail about how disease is diagnosed and treated in Unani Sytem of Indian Medicine.    CO2-App    (16)

13. (a) How functional food acts as nutraceutical in the prevention of diabetes? List out the nutraceutical products that you use to prevent and treat the particular disorder.    CO2-App    (16)

Or

(b) If you are a nutritionist working in a Clinic, what kind of nutraceuticals will you prescribe for a patient affected with brain cancer?    CO2-App    (16)

14. (a) How would you show your understanding on adverse reactions of biodrugs and drug food interaction with appropriate examples.    CO2-App    (16)

Or

(b) How can you elaborate the toxicological risks of the following herbal plants - Kava kava, and Ginkobiloba    CO2-App    (16)

15. (a) What is the function of IPR in traditional knowledge? Elaborate on patenting aspects of giving example of Neem.    CO1-U    (16)

Or

(b) Describe schedule Z of drug and cosmetics act for ASU drugs    CO1-U    (16)

**U9C72**