

BACHELOR OF PHARMACY (B. PHARM.) (CBCS-2019 COURSE)

B. Pharm. Sem-IV : WINTER- 2022

SUBJECT : PHARMACOGNOSY & PHYTOCHEMISRY-I

Day : Friday

Time : 02:00 PM-05:00 PM

Date : 27-01-2023

W-20674-2022

Max. Marks : 75

**N. B. :**

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw neat and labelled diagrams **WHEREVER** necessary.
- 4) Answers to both the sections should be written in **SEPARATE** answer books.

**SECTION – I**

**Q. 1** Answer all questions: **(20)**

- i) Who coined the term pharmacognosy? Who is called as father of pharmacognosy?
- ii) Name any four drugs obtained from mineral origin.
- iii) What are advantages of chemical classification?
- iv) What is organized crude drug? Give two examples.
- v) Define plant hormones. Give role in plants.
- vi) What is polyploidy? Give example.
- vii) What is effect of altitude on plant cultivation?
- viii) What is effect of soil on plant growth?
- ix) What are plants growth retardant? Give examples.
- x) Which are factors affecting drying of crude drug?

**Q. 2** Answer **ANY TWO** of the following: **(20)**

- i) Explain role of Auxin in plants. How application of auxin can alter plant development?
- ii) Which are the factors affecting cultivation of medicinal plant? Add note on effect of soil on plant cultivation.
- iii) Write in detail history of pharmacognosy.

**SECTION – II**

**Q. 3** Answer **ANY SEVEN** from the following **Nine**: **(35)**

- i) Write note on Ayurvedic System of Medicine.
- ii) Explain novel medicinal agents from marine sources.
- iii) Explain concept of tissue culture.
- iv) Write note on Chinese System of Medicine.
- v) Discuss chemistry of carbohydrates? Add note on Agar.
- vi) What are lipids? Add note on Bees Wax.
- vii) Write in detail about storage of crude drug with suitable example.
- viii) Write note on Acacia.
- ix) What is Homoeopathic drug potentization? Describe principle of Homoeopathy.