

Examination questions/sub-questions – Bachelor program in Pharmacy

Pharmaceutical Botany I

1. Botany-Complex science of plant studies.
2. Plant and human.
3. The Importance of Botany for Pharmacy
4. Characteristics of plant cells.
5. The Cytoplasm, its organelles, ergastic and secretory substances , their importance in medicine and pharmacy.
6. Plant tissues, their classification.
7. Meristematic and dermal tissues. Their structure, functions and location in the plant.
8. Vascular tissues, vascular bundles, their classification, functions and location in the plant.
9. Ground tissues , their classification, functions and location in the plant
10. secretory tissues , their classification, functions and location in the plant
11. Vegetative organs of plants.
12. branching, shoot, and its system.
13. bud , phyllotaxis , shoot specialization and metamorphosis.

14. The anatomical structure of the herbaceous stem.
15. Stem enlargement forms.
16. Characterization of the dicotyledonous and gymnospermous plant stem anatomy
17. Characterization of leaf morphological-anatomical structure.
18. Leaf metamorphosis.
19. Root.
20. Root specialization and metamorphosis.
21. The root system and zones.
22. The anatomical structure of the root.

23.Reproductive organs.

24.Flower morphology,

25 Structure of Androceum

26. Structure of gynoecium.

27. Types of Inflorescence , Their structural elements.

28 Fruits morphology, classification. anthrocarp

29 . Propagation of fruits and seeds.

30. Seed morphology and physiology.