

B.Sc. (Honours) Examination, 2019
Semester-IV (CBCS)
Botany
Skill Enhancing Compulsory Course: SECC-2
(Herbal Technology/Ethnobotany)

Time: Two hours

Full marks: 25

Questions are of value as indicated in the margin.

Answer Question **No. 1** and **any two** from the rest.

1. Answer **any five** of the following: 1×5=5
- a) What is the active principle of the drug obtained from *Withania somnifera*?
 - b) Name one plant whose bark is used as antidiarrhoeic drug.
 - c) What is oleoresin?
 - d) State the medicinal use of rhizome of Ginger.
 - e) Which plant part of *Tremella fuciformis* is used as drug?
 - f) What is organoleptic feature?
 - g) What type of container is used for storage of unorganised drug?
2. Mention the macroscopic and microscopic features, active principle and medicinal uses of *Digitalis purpurea* leaf. 2+2+3+3=10
3. State the general properties of alkaloids. Write down the phytochemical tests for screening of alkaloids in an unknown sample. 5+5=10
4. Write down the role of germplasm banks for the conservation of medicinal plants. What are the four important causes of drug adulteration? 5+5=10
5. Distinguish between crude drug and medicine. State with at least two examples the importance of medicinal plants in pharmaceutical industries. Discuss the role of harvesting practices and processing of crude drugs in controlling its quality. 3+2+5=10
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