

Code No: B4102

R10
SET - 1
IV B. Pharmacy I Semester Advanced Supplementary Examinations, February - 2020
PHARMACOGNOSY-III

Time: 3 hours

Max. Marks: 75

 Answer any **FIVE** Questions
 All Questions carry **Equal** Marks
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1. a) Explain the principle, procedures involved in the evaluation of antimicrobial activity of crude drugs. (9M)
- b) Discuss the significance of microscopy in qualitative evaluation of crude drugs. (6M)
2. a) Write methods used for estimation of volatile oil content and phenolic compounds in crude drugs. (8M)
- b) Discuss the methods used for extraction of thermolabile compounds. (7M)
3. a) Explain working of column chromatography in evaluation of crude drugs. (6M)
- b) Explain the role of paper chromatography in qualitative and quantitative evaluation of crude drugs. (9M)
4. a) Write factors influencing production of secondary metabolites in the in-vitro condition. (6M)
- b) Write in detail on micropropagation methods. (9M)
5. Write source, chemical constituents and uses of (15M)  
     (i) Amla (ii) Satavari (iii) Brahmi (iv) Kalimusli
6. a) Write in brief on Sidha system of medicine. (5M)
- b) What are Bhasma and Lehya? Explain their method of preparation. (10M)
7. Write in detail on (15M)  
     (i) Aloe Vera (ii) Sandal wood
8. a) Write in detail on Garlic and Soya as nutraceuticals. (10M)
- b) "Herbal drugs are better than synthetic drugs"- substantiate this statement. (5M)