

B.Pharm IV Year I Semester (R13) Supplementary Examinations June 2017

**PHARMACOGNOSY – III**

Time: 3 hours

Max. Marks: 70

**PART – A**

(Compulsory Question)

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- 1 Answer the following: (10 X 02 = 20 Marks)
- (a) Write the chemical tests for tannins.
  - (b) Define immobilization.
  - (c) What is the basic difference between conventional TLC and HPTLC?
  - (d) What are the applications of Affinity Chromatography?
  - (e) Write the biological source of Gokhru.
  - (f) What are Lehyas?
  - (g) Define Cosmeceuticals.
  - (h) What are the applications of Garlic in Nutraceuticals?
  - (i) What is the source of Talc?
  - (j) Write the biological source of any two natural dyes.

**PART – B**

(Answer all five units, 5 X 10 = 50 Marks)

**UNIT – I**

- 2 Outline the estimation of any two phytoconstituents.

**OR**

- 3 Explain various methods of growth measurements in plant tissue culture.

**UNIT – II**

- 4 Explain the applications of HPTLC in the evaluation of herbal drugs.

**OR**

- 5 Write a detailed note on the finger printing of drugs of natural origin.

**UNIT – III**

- 6 Write a pharmacognostic note on Bilva and Punarnava.

**OR**

- 7 Write a short essay on Siddha system of medicine.

**UNIT – IV**

- 8 Write a brief note on Cosmeceuticals.

**OR**

- 9 Outline the role of herbs in Nutraceuticals.

**UNIT – V**

- 10 Write a pharmacognostic note on Kaolin and Talc.

**OR**

- 11 Write a short essay on natural products of current interest.

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