

Code: 9R01804

B.Pharm IV Year II Semester (R09) Supplementary Examinations April 2018

PHARMACOGNOSY – III

Time: 3 hours

Max. Marks: 70

Answer any FIVE questions
All questions carry equal marks

- 1 (a) Write in detail about microscopic evaluation of crude drugs.
(b) Write a note on chemical evaluation of crude drugs.
- 2 (a) Explain general methods of isolation and identification of alkaloids.
(b) Explain general methods of isolation and identification of glycosides.
- 3 (a) Define chromatography. Classify chromatography. Explain the principle involved in all types of chromatography.
(b) Write the applications HPLC and HPTLC in pharmacognosy.
- 4 (a) Define plant tissue culture. Explain the callus culture and suspension culture.
(b) Explain the methods of growth of callus culture and suspension culture.
- 5 (a) Write the biological source, chemical constituents and uses of shatavari and guduchi.
(b) Write the biological source, chemical constituents and uses of brahmi and guggul.
- 6 (a) Explain the principle involved in ayurveda and homeopathy.
(b) Explain the methods of preparation of asava and arishta.
- 7 (a) Explain the role of spirulina and soya as nutraceutical.
(b) Describe the role of turmeric and sandal wood as skin care preparation.
- 8 (a) Explain the importance of herbal cosmetics.
(b) Explain the role and importance of herbal drug industries.
