

Code: 13R00701

R13

B.Pharm IV Year I Semester (R13) Regular & Supplementary Examinations November 2017

PHARMACOGNOSY – III

Time: 3 hours

Max. Marks: 70

PART – A

(Compulsory Question)

1 Answer the following: (10 X 02 = 20 Marks)

- (a) Write a short note on types of alkaloids.
- (b) Write a short note on Micropropagation.
- (c) Write HPTLC.
- (d) Write short notes on Gas chromatography.
- (e) Define Tridosha.
- (f) Write a short note on Rasna.
- (g) Write a short note on Spirulina.
- (h) Write a short note on Sandalwood.
- (i) Write short notes on Kieselguhr.
- (j) Write a short note on Talc.

PART – B

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

UNIT – I

2 Write the media requirements of plant tissue culture and add a note on growth measurements of cell culture.

OR

3 Write systematic procedure involved in the extraction and estimation of cardiac glycosides.

UNIT – II

4 Write the role of HPTLC in plant phytochemical analysis.

OR

5 Write the various types of chromatography based on principle with suitable examples.

UNIT – III

6 Discuss about preparation and standardization of asava.

OR

7 Write the common name, chemical constituents and uses of:

- (a) Amla.
- (b) Brahmi.
- (c) Chirata.

UNIT – IV

8 Discuss about the importance of trade in herbal in India.

OR

9 Discuss the about role of herbals in cosmeceuticals.

UNIT – V

10 Write the short notes on the following:

- (a) Bentonite.
- (b) Talc.

OR

11 Discuss about natural dyes and their importance in pharmacy.
