

Code No: B3103/R10

Set No.1

III B.Pharmacy I Semester Supplementary Examinations, May 2017
CHEMISTRY OF NATURAL DRUGS

Time: 3 hours

Max Marks: 75

Answer any FIVE Questions
All Questions carry equal marks

1. (a) Define the following with suitable examples
(i) True Alkaloids (ii) Pseudo Alkaloids (iii) Proto Alkaloids
(b) Define and Classify Alkaloids with examples. [9+6]
2. Write a note on Hydrolytic degradation of Reserpine with the structures formed during the course of degradation [15]
3. Define and classify terpenoids? Explain isoprene and special isoprene rule. Discuss Gem- dialkyl rule. [15]
4. (a) write the biological source, structure and uses of menthol
(b) Write the biological source, structure and uses of Menthone [8+7]
5. (a) Discuss the reaction for the synthesis of progesterone from sapogenin
(b) Write the chemistry of cholesterol. [8+7]
6. Explain the chemistry and uses of cardiac glycosides [15]
7. (a) Explain the significance of estrogens and add a note on each of them (estradiol, estrone, estriol)
(b) Give the structures of estrogens and explain how all of them are interconvertible [8+7]
8. (a) Explain in detail about adrenal cortex hormones
(b) Write chemistry of insulin [8+7]
