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35164: Pharmacognosy - III: T-5.4

AW - 2310 P. Pages: 1 Time: Three Hours Max. Marks: 60 Notes: 1. All question carry equal marks. Answer Any five. 2. 3. Illustrate your answer necessary with the help of neat sketches. 4 Use of pen Blue/Black ink/refill only for writing the answer book. 1. Define & classify glycosides? Give the stas -otto method for isolation of glycosides? Give 12 chemical tests for identification of glycosides? 2. What is chromatography? Classify chromatography? Write in detail about Thin layer 12 chromatography? 3. Give the pharmacognostic account of Senna? a) 6 Write a note on reactions of cell walls? b) 6 4. Write synonym, biological source, chemical constituents and uses of any three. 12 a) Rhubarb b) Quassia. Aloe d) Ginseng c) 5. Write the pathway for the biosynthesis of Tryptophan, phenylalanine & Tyrosine. 6 a) b) Write a note on cardioactive glycosides. 6 Write synonym, biological source, chemical constants & uses of any three 6. 12 Dioscorea b) Gentian a) Saffron d) Cascara c) e) Squill 7. 12 Write short notes on any two. Common poisonous plants of India. a) Novel medicinal agents from marine source. b) Biosynthesis of Tropane alkaloids. c) d) Pharmacognostic account of liquorice. \*\*\*\*\*\*

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