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| | | Code No. 405 | 1 |
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| FACULTY | | | |
| B. Pharmacy 3/4 I – Semester (Main) Examination, November 2016 | | | |
| Subject: Pharmaconosy – II Time: 3 Hrs Max.Marks: 70 | | | |
| Note: Answer all questions. All questions carry equal marks. | | | |
| 1 | a) | What are alkaloids. Classify them with suitable examples. | 5 |
| • | | Write the Bioloical srces microscopical features and adulterants of i) Nuxvomica ii) Cinchona iii) Colchium | 9 |
| | C) | OR Describe opium under suitable pharmaconostic scheme. | 8 |
| | | Write the srce, chemical structures of active constituents and use of | U |
| | | i) Belladona ii) Ephedra iii) Rauwolfia | 6 |
| 2 | a) | What are cardiac lycosides. Classify and write the chemistry and mechanismo | f |
| | , | action of diitalis | 8 |
| | | i) Strophanthin ii) Barbaloin | 2x3=6 |
| | c) | Write the bioloical srce, a test for identification and uses of | |
| | 4) | i) lycyrrhizic acid ii) Strophanthoside Describe the pharmaconostic study of Indian senna. | 3x2=6 8 |
| | u) | Describe the pharmaconostic study of indian serina. | 0 |
| 3 | | Write the isolation and estimation of quinine from cinchona. | 6 |
| | | Write a note on Taxus species. Write the bioloical srce, chemical nature and uses of | 4 4 |
| | -, | i) Fennel ii) Cinnamon | |
| | d) | Write the chemistry, isolation and estimation of rutin, hesperidin from citrus fruits. | 10 |
| | | What are volatile oils, classify with example. | 4 |
| 4 | 2) | Define callus culture cell suspension culture and ive advantaes of suspension | |
| 4 | a) | Define callus culture, cell suspension culture and ive advantaes of suspension callus culture. | 7 |
| | b) | Discuss the importance of macronutrients and rowth reu lators in plant tissue | |
| | | culture media. OR | 7 |
| | c) | Discuss the application of plant tissue culture in production of secondary | |
| | 4) | metabolites. Write abt immobilization and its application in plant tissue culture. | 7 7 |
| | u) | | ı |
| 5 | | ive the preparation of Lehyas , Aristaas. | 7 |
| | (ט | Write abt the status and practice of herbal medicine in India. OR | 7 |
| | | Discuss abt types of herbal formulation and products. | 10 |
| | d) | ive a note on discovery of new drus from natural srce. | 4 |
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