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FACULTY OF PHARMACY

M. Pharmacy (Pharmaceutical Chemistry) II-Semester (PCI) (Suppl.) Examination, February 2019

Subject: Pharmaceutical Process Chemistry

Time: 3 Hrs Max. Marks: 75 Note: Answer any five questions. All questions carry equal marks. 1 a) Explain in detail validation of Large scale Process. b) Write the Case studies of some Scale up Process of APIs. (7+8)2. a) Write a note on types of filtration. b) Discuss the principle and general methods of preparation of polymorphs, hydrates, solvates and amorphs APIs. (7+8)3. a) Write a note on nitrating agents, equipment for technical nitration. b) Write a note on types of halogenations, Catalytic halogenations. (8+7)4. a) Explain abt aerobic and anaerobic fer mentation with examples. b) Write a note on cost effective rtes, families of reagents useful for scale up (6+9)5. a) Write a detail note on MSDS. b) Discuss abt effluents and management system in industries. (6+9)6. a) Give a note on fire hazards and types of fire extinguishers. b) Write abt personal protection equipment. (8+7)7. a) Discuss the types of extraction. b) Explain hydrogen transfer reactions in reduction. (8+7)8. a) Write the Importance of OHSAS. b) Explain abt steam dist illation. (8+7)