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FACULTY OF PHARMACY

M. Pharmacy (Pharmaceutics) I-Semester (PCI)(Main & Backlog) Examination, January 2019

Subject : Drug Delivery System

| Time: 3 Hrs Note: Answer any Five Questions. All Questions Carry Equal Marks. | Max. Marks: 75 |
|--|--------------------------|
| 1. (a) Compare sustained release, delayed release and controlled drug d with examples? (b) Define pharmacogenetics? Explain telepharmacy? | elivery system 6 9 |
| 2. (a) What do y me an by activation modulated system? Explain osmotic system? (b) Classify rate controlled drug delivery system? Explain feedback regular | 8 |
| 3. (a) What are the barriers of buccal mucoadhesive drug delivery system? Nexamples of marketed mucoadhesive drug delivery system? (b) Explain in detail floating drug delivery systems? | Aention two 7 8 |
| 4. (a) Describe formulation and evaluation of ocular drug delivery system?(b) What are ocular insitu gels? | 10 5 |
| 5. (a) Explain structure of skin? What are barriers of transdermal permeat the ideal properties of a drug candidate to permeate thrgh the skin?(b) Classify transdermal permeation enhancers? Explain the mechanism cenhancers? | 10 |
| 6. (a) Explain in detail varis strategies to formulate a stable protein and formulations?(b) Describe physical and chemical stability of protein and peptides? | d peptide drug 8 7 |
| 7. (a) Explain in detail mucosal and active transdermal methods of delive thr gh mucosa and skin? (b) Write a note on single shot vaccines? | ering vaccines 8 7 |
| 8. (a) Explain varis physiochemical and biological factors that influences the formulations? (b) Classify polymers? Explain properties of any two synthetic biodegradal | 10 |
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