

FACULTY OF PHARMACY

**M. Pharmacy (Pharmacology) II-Semester (PCI) (Suppl.) Examination,
February 2019**

Subject: Principles of Drug Discovery

Time: 3 Hrs

Max. Marks : 75

Note: Answer any five questions. All questions carry equal marks.

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| 1. a) Write a note on economics of drug discovery. | 7 |
| b) Describe abt role of zinc finger proteins in target identification and validation. | 8 |
| 2. a) Write a note on combinatorial chemistry. | 8 |
| b) Explain in brief abt reporter gene assay. | 7 |
| 3. a) Write a note on drug likeness screening. | 5 |
| b) Explain in detail abt rational drug design. | 10 |
| 4. a) Write a note on rigid docking. | 5 |
| b) Describe in brief abt QSAR. | 10 |
| 5. a) Write the significance of Prodrug design. | 5 |
| b) Describe abt the COMFA and COMSIA. | 10 |
| 6. a) Explain in brief abt role of bioinformatics in drug discovery. | 6 |
| b) Describe the computational prediction of structure. | 9 |
| 7. a) Write a note on scintillation proximity assay. | 6 |
| b) Describe the concept of pharmacophore based screening. | 9 |
| 8. a) Write a note on statistical methods in QSAR. | 8 |
| b) Describe in brief abt rational of Prodrug design. | 7 |
