Third Semester B. Pharm Degree Regular/Supplementary **Examinations June 2024**

Physical Pharmaceutics I

(2017 Scheme)

- Max. Marks: 75 Time: 3 Hours • Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space
 - Answer all parts of a single question together Leave sufficient space between answers.
 - Draw diagrams wherever necessary

Essays

- 1. Explain Distribution law and write its applications and limitations
- 2 Discuss the methods used for the determination of surface area

Short Notes

- 3. Explain Raoult's law and its applications
- 4. Define dissociation constant and write its applications
- 5. What are different methods for the determination of particle size. Explain any one method.
- 6. Discuss the method of determination of angle of repose
- 7. Explain any one method of analysis of complexation
- 8. Explain the applications of buffers in pharmacy
- 9. Briefly discuss the importance of bulkiness and density in pharmacy

Answer Briefly

- 10. Mention the mechanisms of solute solvent interactions
- 11. What are eutectic mixtures
- 12. Explain amorphous state
- 13. Explain the importance of vapour pressure in pharmacy
- 14. Explain adsorption
- 15. Define porosity
- 16. Explain different classes of complexes
- 17. Sorenson's pH scale
- 18. Buffer capacity
- 19. Define isotonic solution

(7x5=35)

(10x2=20)

Reg. No.....

QP Code: 322006



(2x10=20)