

QP CODE: 2326

Reg. No:.....

First Pharm D Degree Supplementary Examinations - April 2012

PHARMACEUTICS

Time: 3 Hours

Total Marks: 70

- **Answer all questions**
- **Write equations, draw diagrams wherever necessary**

Essay:

(2x10=20)

1. Define posology. Explain about the factors affecting the dose and action of drugs.
2. Explain in detail about surgical catgut.

Short notes:

(10x3=30)

3. What is displacement value and write its significance.
4. Discuss the historical development of British pharmacopoeia
5. What are the advantages of suppositories as a dosage form.
6. Explain in brief about liquid dosage form.
7. Explain handling of prescription.
8. Explain in brief the types of emulsion with example.
9. Write in short about soxhlation.
10. If 1500g solution containing 75g of a drug substance what is the percentage strength (w/w) of the solution.
11. What is eutectic powder and explain this with example.
12. What is percolation. Mention the steps involved in percolation process with brief explanation.

Answer briefly:

(10x2=20)

13. Explain the standards for absorbent cotton wool.
14. What is modified maceration.
15. What are powders. What are the merits and demerits.
16. State two methods of identification of types of emulsion.
17. What is the percentage of zinc oxide in an ointment prepared by mixing 200g of 10% ointment, 50g of 20% ointment and 100g of 5% ointment.
18. Find out the incompatibility problem in the following prescription and the steps to correct it.
Rx
Atropine sulphate 0.006g
Phenobarbital 0.015g
Aspirin 0.300g
Sig: One capsule t. i. d
19. Write any two problems associated with insufflations.
20. What are the types of suppository bases.
21. Classify the liquids used for external use.
22. Write on absorbable gelatin sponge.
