

Sc

SARDAR PATEL UNIVERSITY
M. Sc Pharmaceutical Chemistry (Semester-II) Examination
Monday, 04/04/2014; Time-10:30 AM to 1:30 PM
SUBJECT CODE: PS02CPCH01
SUBJECT TITLE: Basic Pharmaceutics and Pharmacology

Maximum Marks: 70

Note: All the questions are compulsory.
Figure to the right indicates mark of the question.

Q-1 Choose the appropriate answer of the following **[8×1] 08**

1. Normal volume of tear fluid in the cul-de-sac of human eye is about
a. 7-8 μ l b. 7-8 ml c. 20 ml d. 100 ml
2. Emulsions are
a. True solution b. Gaseous system
c. Suspension d. Colloidal solution
3. Gelatin capsules cannot hold
a. Non aqueous liquid b. Gel c. Solid d. Aqueous liquid
4. A coarse dispersion containing finely divided insoluble material suspended in a liquid medium is called:
a. True solution b. Colloidal Solution
c. Suspension d. All of the above
5. Pyrogen test should be run:
a. On all aqueous product b. For the strength of binder
c. Both a & b correct d. None
6. Tablets within tablets are also known as
a. Core tablets b. Implants c. Inlay tablets d. Inserts
7. The concentration of drug available at the site of action:
a. Active ingredient b. Bioavailability
c. Binder d. Prodrug
8. Orphan drugs are those drug used for
a. Rare Deceases b. Cancer c. Rickets d. None

Q-2 Short Answer type questions. (Any seven)

[7X2] 14

1. What is invert syrup?
2. Describe Glycerogelatins.
3. Give the utility of soft gelatin capsule.
4. Describe granulation.
5. What is mottling.
6. Discuss the structure-wise classification of tablets.
7. Give difference between soft drugs and hard drugs.

8. Describe chemotherapy.
9. Define first pass metabolism.
- Q3. A. Describe the formulation, packaging and evaluation of syrup. 06
- B. Write a note on packaging semisolid preparations. 06
- OR
- B. What are factors affecting drug availability and give the general safety consideration. 06
- Q4. A. Elaborate the manufacture of hard gelatin capsule shells. 06
- B. Give the importance of developing the formulation and selecting the capsule size 06
- OR
- B. Describe the various Microencapsulation Techniques. 06
- Q5. A. Discuss the various manufacturing defects and evaluation of tablets. 06
- B. Explain the purpose of coating and describe the processes involve in Sugar coating. 06
- OR
- B. Write a note on Solid Parenteral Dosage Forms. 06
- Q6. A. Describe the excretion. 06
- B. Write a note on Pharmacodynamics. 06
- OR
- B. Describe the various roots of administration of drugs. 06
