

7. Material used for construction of closure is

- (a) Cork (b) Glass & plastic
(c) Rubber & metal (d) All the above

8. Filter media is

- (a) Talc (b) Kaolin (c) Chalk (d) Cotton wool

9. Plastics are normally sterilized with

- (a) Direct flame (b) Oven heat
(c) Ethylene oxide (d) Steam under pressure

10. Gelatin is a

- (a) Carbohydrate (b) Protein (c) Fat (d) Alkaloid

Q2. (a) Define dosage forms. Discuss the classification of dosage form.

(b) What is container and closure? Write the properties of container and closure.

Q3 (a) What is extraction? Describe in detail soxhlet extraction

(b) Describe the preparation of water for injection I.P

Q4 Define the term sterilization. Classify the various methods of sterilization. Write note on physical methods of sterilization

Q5 Describe the construction, working principle, advantages and disadvantages of any two

(a). Hammer mill (b). Ball mill (c) Fluid energy mill

Q6 Enlist the advantages of Tablets. Describe the methods of preparation of tablet by dry and wet granulation methods.

Q7 What is drying? What is difference between drying and evaporation? Discuss fluidized bed drier and vacuum dryer.

Q8 What is filtration? Classify filters and discuss the theory of filtration

Roll No.....

DP-101

D. Pharmacy 1st year

Examination – June 2019

Pharmaceutics - I

Time: Three Hours

Maximum Marks : 80

Note: i) Attempt any six questions. (Ques.no.1 is Compulsory)

ii) Question No. 2 to No. 8 carries equal marks.

Q1. Multi choice questions (1× 10 = 10)

1. Fluid energy mill will work on principle:

- (a) Attrition and impact (b) Cutting and impact)
(c) both (d) none

2. Capsule shells are made with

- (a) Pectin (b) Gelatin (c) Starch (d) Shellac

3. Injections are prepared with the following

- (a) Portable water (b) Apyretic water
(c) Hard water (d) Distilled

4. An example of a filter aid is

- (a) Calcium carbonate (b) Magnesium carbonate
(c) Talc (d) Kieselgurh

5. Tablets are enteric coated

- (a) Because they damage during storage
(b) to avoid drug release in stomach
(c) For sustained release of drug
(d) because they are attractive

6. The sterilization temperature in autoclave is

- (a) 75 (b) 90 (c) 121 (d) 105