

Roll No.: _____

Enrolment No. _____

PARUL UNIVERSITY
PARUL INSTITUTE OF PHARMACY AND RESEARCH
B.PHARM FIFTH SEMESTER
SECOND INTERNAL THEORY EXAMINATION: 2022-23

Subject Name: Industrial Pharmacy - I

Subject Code: BP502T

Date: 08/09/2022

Time: 07:45 to 09:00

Total Marks: 30

Instructions:

1. Figures to the right indicate full marks.
2. Make suitable assumptions wherever necessary.

Q.1 Multiple Choice Questions:

- | | | |
|------|--|----|
| (1) | According to Biopharmaceutics Classification System (BCS), Class II drugs have | 01 |
| | a) High solubility/High permeability b) Low solubility /High permeability | |
| | c) High solubility/Low permeability d) Low solubility /Low permeability | |
| (2) | Accelerated stability testing is done to | 01 |
| | a) Predict shelf of the formulation b) Predict dissociation constant | |
| | c) Predict diffusion constant d) Determine activation energy | |
| (3) | Stability testing is done | 01 |
| | a) To determine shelf life of product | |
| | b) To determine the components used for packaging | |
| | c) To get information at preformulation staged) All of the above | |
| (4) | Which of the following tablet are formulated to prevent drug release in stomach? | 01 |
| | a) Enteric coated tablet b) Film coated tablet | |
| | c) Sugar Coated tablet d) Chewable tablet | |
| (5) | In aerosol regulation of dose is concerned with | 01 |
| | a) Propellant b) Actuator c) Metered valve d) Dip tube | |
| (6) | Which is not true for good lipstick | 01 |
| | a) It should melt at body temperature | |
| | b) It should be smooth and easy to apply | |
| | c) It should have high retention for colour | |
| | d) It should have pleasant odour and test | |
| (7) | The direction "To be used within 30 days after first opening." is given for | 01 |
| | a) Suppositories b) Mixture c) Paste d) Eye drops | |
| (8) | An injection inserted directly into artery is known as | 01 |
| | a) Intra-arterial b) Inter-arterial c) Extra arterial d) Intravenous | |
| (9) | Basic empty capsule shell are made from a mixture of | 01 |
| | a) Sugar b) Water c) Gelatine d) All of the above | |
| (10) | Smallest size of capsule most widely used is | 01 |
| | a) 0 b) 5 c) 1 d) 000 | |

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Q.2 Long Answers: (Any One)

- 1) i) Draw neat pictorial diagram of Compression cycle and explain steps involved in it. 10
ii) Explain compression and processing problems/defects of tablets and give remedies for each type of tablet defects.
- 2) Write a detail note on sugar coating and explain In-process and finished product test for sugar coated tablets 10

Q.3 Short Answers: (Any Two)

- 1) Explain hard gelatine capsule shell & soft gelatine capsule manufacturing process with diagram. 05
- 2) i) Write a brief note on ophthalmic preparation. 05
ii) Write about factors affecting packing material.
- 3) Write advantages of pellets, aerosol dosage form and enlist evaluation test for aerosol 05