



RF-1391-92

Final Year B. Pharm. Examination

April / May – 2010

PH - 406 : Pharmaceutics - VI

(Pharm. Technology & Ind. Pharmacy)

Time : 3 Hours]

[Total Marks : 70

RF-1391

Instructions :

(1)

| | |
|---|----------------------|
| नीचे दर्शाविए निशानीवाणी विगतो उत्तरवही पर अवश्य लपवी. Fillup strictly the details of signs on your answer book. | Seat No. : |
| Name of the Examination : | <input type="text"/> |
| Final Year B. Pharm | <input type="text"/> |
| Name of the Subject : | <input type="text"/> |
| PH - 406 : Pharmaceutics - 6 | <input type="text"/> |
| Subject Code No. : <input type="text"/> 1 <input type="text"/> 3 <input type="text"/> 9 <input type="text"/> 1 | <input type="text"/> |
| Section No. (1, 2,.....) : <input type="text"/> 1 | |
| Student's Signature | |

(2) Figures on **right** hand side indicate marks of question.

(3) Write and tie both sections **separately**.

1 Attempt any **five** of the following: 10

- (a) Enumerate the characteristics of rubber as container and closure for parenterals.
- (b) What are the requirements for the preparation of sterile product?
- (c) How will you carry out stability testing of pharmaceutical aerosols?
- (d) Give the formula of tooth powder with functions of each ingredient.
- (e) Enumerate the various filling and sealing methods for LVP containers.
- (f) What is Sta-Rx 1500? Enlist its applications.
- (g) Differentiate between cold cream and vanishing cream giving suitable example.

2 Attempt any **four** of the following: 16

- (a) Classify excipients used for commercial parenterals products with suitable examples.

RF-1391-92]

1

[Contd...

- (b) Describe in detail the methods of manufacturing of tablets via wet granulation technique giving suitable instrument on commercial scale.
- (c) Classify the cosmetics according to their physical nature and to their application part of the body.
- (d) Discuss quality control tests used in lipsticks.
- (e) Discuss in detail glass as the packaging material for pharmaceuticals.

- 3 Attempt any **three** of the following : 9
- (a) Write a short note on environmental control in parenterals.
 - (b) Discuss different types of actuators.
 - (c) Enlist various evaluation parameters for suspension and discuss in detail any one.

RF-1392

Instructions :

(1)

| | | | | | | | |
|---|--|--|--|--|--|--|--|
| <p>नीचे दशांश में निशानीवाणी विगतो उत्तरवही पर अवश्य लिखी। Fillup strictly the details of signs on your answer book.</p> <p>Name of the Examination :</p> <p>Final Year B. Pharm</p> <p>Name of the Subject :</p> <p>PH - 406 : Pharmaceutics - 6</p> <p>Subject Code No. : 1 3 9 2 Section No. (1, 2,.....) : 2</p> | <p>Seat No. :</p> <table border="1" style="width: 100%; height: 20px; border-collapse: collapse;"> <tr> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> </tr> </table> <div style="border: 1px solid black; border-radius: 15px; width: 100%; height: 80px; display: flex; align-items: center; justify-content: center; margin-top: 10px;"> <p>Student's Signature</p> </div> | | | | | | |
| | | | | | | | |

- (2) Figure on **right** hand side indicate marks of question.
- (3) Write and tie both sections **separately**.

- 4 Attempt any **eleven** form the following : 11

- (1) Enlist advantages and disadvantages of aspartame as a sweetner.
- (2) Write limits given for valve acceptance.
- (3) What are Paratonic solutions?
- (4) Mention the standards of WFI.
- (5) Enlist any four preservations used in parenteral.
- (6) Write the composition of rubber closures for parenteral.
- (7) Enlist natural suspending agents used for manufacturing of suspension.
- (8) Write advantage of flexible polyvinyl chloride bags used for IV solutions over glass container.

- (9) Differentiate between dyes and lakes.
- (10) Define 'lubricants.'
- (11) Classify monophasic liquid dosage form.
- (12) Enlist evaluation test of emulsion.
- (13) Describe Leak test tank.
- (14) Mention limit for thickness of tablet.
- (15) Enlist advantages of film coated tablets over conventional tablets.

5 Attempt any **three** of the following : **12**

- (a) Discuss importance of enteric coating in pharmaceuticals.
- (b) Discuss significance of isotonicity in parenterals and methods of adjustment.
- (c) Define the ophthalmic preparations. Enlist their ideal characteristics.
- (d) Write about standard requirements for labelling of pharmaceutical products.

6 Attempt any **two** of the following : **12**

- (1) Define tablet coating and write a note on sugar coating.
- (2) Write a note on nature of solid as a content of soft gelatin capsules.
- (3) Discuss the cGMP guidelines given for documentation in pharmaceutical manufacturing.
