

Name of the Examination: B. PHARM., 2nd Year, 2nd Semester, 2019.

Subject: Pharmaceutics – IV

Time: 3 hours

Full Marks: 100

Answer any *five* questions taking at least one from each group.

GROUP – A

Q.1. (i) Why the science and technology of small particles are so very important in the field of pharmacy and medicine ?

(ii) Briefly explain the importance of normal distribution curves of a given mass of powder. (15+5)

Q.2. Write short note on any two of the following:

(i) Method for determining the surface area of a given mass of powder.

(ii) Densities of particles

(iii) Scanning Electron Microscopy (SEM) (10+10)

Q.3. (i) How can you optimize the flow properties of powder before punching into tablet?

(ii) What may be the different approaches to reduce the bulk volume of a given mass of powder?

(iii) In large scale LVP unit how the particulate contamination may be monitored in a better way? (8+6+6)

2nd YEAR 2nd SEMESTER EXAMINATION, 2019

SUBJECT: PHARMACEUTICS IV

GROUP – B

- 1) (a) Define cosmetics. Write down the importance of shampoo. Elaborate the parameters for evaluation of shampoo? 3+3+4
(b) Elaborate the satisfactory characteristics of Nail varnish. 10
- 2) (a) Write in detail the mechanism of anti- prespirant action. 10
(b) What are the ideal characteristics required in lipsticks? 5
(c) Elaborate the desirable attributes required for pre – electric shave lotions. 5
- 3) (a) With a suitable composition write a note Cream Nail Enamel Removers. Differentiate between Nail Bleaches and Nail White. 5+5+5
(b) Describe the various methods in assessing deodorants. 5
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