

F/2017/1943

Total Pages : 4

FIRST YEAR PHARMACY
PHARMACEUTICS-I

(101)

Time : Three Hours**Maximum Marks : 80**

- Note :** i) Attempt total six questions. Question No.1 is compulsory. From the remaining questions attempt any five.
- ii) Illustrate your answer with neat sketches wherever necessary.

1. Attempt any five 2 each

- a) _____ are used to separate the suspension of a solid in a gas.
- b) A preparation which is free from viable micro-organism is called _____ product.
- c) Size reduction is done by _____ in pestle and mortar.
- d) Lozenges are so designed as to exert a local effect in the _____

F/2017/1943

P.T.O.

(2)

- e) The serum containing antibacterial antibodies is called _____.
- f) Proper drying prevents the _____ of the product.

2. Attempt any two : 7 each

- a) Define Aerosol. How will you classify aerosols? Explain with the help of a diagram the various parts of aerosol packaging.
- b) Explain the various factors affecting size reduction.
- c) Define the term immunity. Describe various factors affecting it.

3. Attempt any two : 7 each

- a) Describe in detail about liquid dosage form.
- b) Differentiate between dry heat and moist heat sterilization.
- c) Differentiate between double maceration and triple maceration.

4. a) Prepare 400ml of 45% alcohol from 95% alcohol. 6

F/2017/1943

Contd.....

(3)

- b) i) 1 Teaspoonful = ml
 ii) 1 Quart = pints
 iii) 1 Fluid ounce = minims
 iv) 1 Decagram = gms

2 each

5. Attempt any two :

7 each

- a) Describe in detailed the simple maceration.
 b) Explain construction, working and uses of cutter mill.
 c) Give applications of drying.

6. Attempt any two:

7 each

- a) Explain with the help of neat diagram construction and working of hand homogenizer or colloid mill.
 b) Describe briefly
 i) DT test for tablet
 ii) Hardness test for tablet
 c) Give in brief the various steps involved in manufacturing of compressed tablet.

(4)

7. Write short notes (any four)

3½ each

- a) Friability test
 b) Water for injection
 c) Excipients used in tablet
 d) Factors affecting evaporation
 e) Advantages and disadvantages of capsule