

V. P. & R. P. T. P. Science College
B.Sc. Industrial Chemistry (Semester-V) Internal Test
PHARMACEUTICAL - I

Date: 06/10/2018

Time: 10:00 a.m. to 12: 00 p.m.

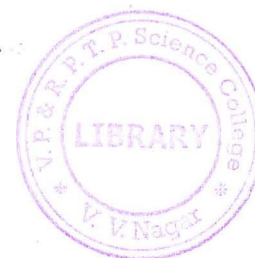
Subject Code: US05CICV05

Total Marks: 50

Select the correct option

8

- I. In _____ route, drugs are administered topically or applied to the skin.
a. Oral b. Parenteral c. Rectal d. Epicutaneous
- II. The First edition of Indian Pharmacopoeia was published in _____
a. 1955 b. 1996 c. 1975 d. 1985
- III. Nylon is an example of _____ type of plastic.
a. Thermolabile b. Thermosetting c. Thermoplastic d. None of these
- IV. Cat gut is an example of _____ type of suture.
(a) Absorbable (b) Non-absorbable (c) Polymeric (d) Adsorbable
- V. The _____ increases flow properties of liquid dosage forms.
(a) diluents (b) glidants (c) viscosity modifiers (d) surface active agents
- VI. _____ has direct effect on hardness of solid dosage form.
(a) Bulking agent (b) Disintegrating agents (c) Stabilizer (d) Binding agents
- VII. In which of these methods the plants are raised from seeds?
(a) Sexual method (b) Asexual method (c) Hybridization (d) Pruning
- VIII. Characteristic behavior of Bhasma with water is _____.
(a) Solublize (b) Floats (c) Settles (d) Suspends



Q.2

Answer the following in short (ANY FIVE)

10

- I. Give disadvantage of parenteral route.
- II. Enlist various routes for administration of drug.
- III. Define sutures and ligatures.
- IV. What are thermoset plastics? Give suitable examples.
- V. What is the role of Lubricant in formulation? Give an example.
- VI. What are disintegrants explain their role in formulation.



- VII Define "Bhasma" and give suitable examples.
VIII. Compare between Sexual and Asexual method.

Long Question

- Q.3 a. Enlist the various route for administration of drug and explain needs for dosage forms? 04
b. Write a note on Indian pharmacopoeia. 04

OR

- Q.3 a. Explain the various dosage forms in detail. 04
b. Write note on Indian pharmacopoeia and the data included in it. 04

- Q.4 a. Write note on selection of packaging material and give their characteristics. 04
b. Give advantages of unit dosage forms. 04

OR

- Q.4 a. Write note on glass as packaging material and its advantages over other. 04
b. Write note on densities of powder and their measurement. 04

- Q.5 a. Write short note on Sweetening agent giving examples. 04
b. Define diluents and give structure, properties and application of Lactose. 04

OR

- Q.5 a. Describe various types of formulations. 04
b. Write a note on role of binder giving example of Accacia. 04

- Q.6 Discuss in detail classification of crude drugs. 08

OR

- Q.6 Write a note on methods of cultivation and discuss the effect of soil and soil fertility in detail. 08