Printed pages: 1   **Roll No.** ⬚⬚⬚⬚⬚⬚⬚⬚⬚⬚   **Sub Code: RPH 102**

Paper ID: | 5 | 0 | 0 | 6 |

Bachelor of Pharmacy
Odd Semester Examination 2016-17
Pharmaceutics-I (General Pharmacy)

Time: 3 Hours   *Total Marks: 70*

Note: Attempt all Sections.

SECTION - A

1. **Attempt *all* questions in brief.**   **2 x 7 = 14**

a.   Define Pharmacopoeia.
b.   What do you mean by percentage weight by weight solution?
c.   Define Gargles.
d.   What is Bond's Law of size reduction?
e.   Define Preservative.
f.   Convert 45%v/v Alcohol into Proof Strength.
g.   What do you mean by s.o.s and t.i.d?

SECTION – B

2. **Attempt any *three* of the following:**   **7 x 3 = 21**

a.   What are the contents of Indian Pharmacopoeia 2014?
b.   Discuss various sources of coloring agents. What are the applications of coloring agents?
c.   Define Posology. Discuss the various factors affecting dose.
d.   Classify powders and their methods of formulation.
e.   Describe principle, construction and working of a fluid energy mill.

SECTION - C

3. **Attempt any *one* part of the following:**   **7 x 1 = 7**

(a)   Write a descriptive note on origin and development of Pharmacy.
(b)   Write short notes on (i) British Pharmacopoeia (ii) Contents of Monograph

4. **Attempt any *one* part of the following:**   **7 x 1 = 7**

(a)   Define prescription. What are the various parts of prescription?
(b)   Write short notes on (i) Cosolvents (ii) Sweetening agents

5. **Attempt any *one* part of the following:**   **7 x 1 = 7**

(a)   (i) Calculate the amount of dextrose required to prepare 500 ml of 2.5% solution
       (ii) How many milliliters of a 1: 2000 copper sulphate solution would be needed to make 2000 ml of a 1:4000 solution?
(b)   (i) Calculate the volume of 95% alcohol required to prepare 300ml of 70% alcohol by alligation method
       (ii) Calculate the doses for children of age 6 years and 8 years if the adult dose is 60mg.

6. **Attempt any *one* part of the following:**   **7 x 1 = 7**

(a)   Define syrup. Discuss various methods of preparation of syrup.
(b)   What are mixtures? Discuss their methods of preparation.

7. **Attempt any *one* part of the following:**   **7 x 1 = 7**

(a)   Define Size Reduction. Discuss various factors affecting size reduction.
(b)   Discuss the theory of solid –liquid mixing. What are the various equipments used in solid-solid mixing?