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Total No. of Pages : 02

Total No. of Questions : 10

B.Pharma. (2012 to 2016) (Sem.-5)

PHARMACEUTICS-VI**(Pharmaceutical Technology-I)**

Subject Code : BPHM-502

M.Code : 70428

Time : 3 Hrs.

Max. Marks : 80

INSTRUCTION TO CANDIDATES :

1. **SECTION-A** is **COMPULSORY** consisting of **FIFTEEN** questions carrying **TWO** marks each.
2. **SECTION-B** contains **FIVE** questions carrying **FIVE** marks each and students has to attempt any **FOUR** questions.
3. **SECTION-C** contains **FOUR** questions carrying **TEN** marks each and students have to attempt any **THREE** questions.

SECTION-A**1. Answer briefly :**

- a) Name two stabilizers added to liquid dosage forms.
- b) Why is sodium chloride added to shampoos?
- c) Differentiate between emollients and humectants.
- d) Define Plasma.
- e) Enlist the essential quality controls for a parenteral products.
- f) Differentiate between deodorants and antiperspirants.
- g) Role of mineral oil in cleansing cream.
- h) Define Propellants with examples.
- i) What do you understand by the term displacement value?
- j) Define HLB.

- k) What are hydrocarbon bases?
- l) Name two preservatives added to emulsions.
- m) Define slip in reference to face powders.
- n) Give the constitution of whole human blood.
- o) Name the active ingredients of anti-acne products.

SECTION-B

Write short notes on :

- 2. Stability problems of emulsions.
- 3. Formulations characteristics of semisolids.
- 4. Plasma substitutes.
- 5. Formulation of antiperspirants
- 6. Evaluation of ophthalmic products.

SECTION-C

- 7. Discuss in detail the process of collection, processing and storage of human fibrinogen and human thrombin.
- 8. Discuss in detail the formulation, preparation and packaging of lipsticks.
- 9. Discuss in detail the formulation of aerosols. Also discuss its pharmaceutical applications.
- 10. Discuss in details the formulation of calamine lotion oily BPC.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.