

FACULTY OF PHARMACY

B. Pharmacy 4/4 II-Semester (Main) Examination, April 2018

Subject : Pharmaceutical Biotechnology

Time : 3 Hours

Max. Marks: 70

Note: Answer all questions. All questions carry equal marks.

1 (a) Define rDNA technology. Write the steps involved in the manufacture of Insulin by rDNA technology.

OR

(b) Write about the following (any two)

- (i) Gene expression of rDNA
- (ii) Interferons
- (iii) Restriction Endonucleases

2 (a) Give an account of microbiological assay of antibiotics as per I.P.

OR

(b) Briefly explain any two of the following:

- (i) Maintenance of Industrial microorganism.
- (ii) Batch and continuous fermentation
- (iii) Immobilization of Enzymes

3 (a) (i) Write the preparation and purified form of diphtheria vaccine.
(ii) Explain about immunodiagnostic preparation for TB

OR

(b) Give an account of viral vaccines.

4 (a) Explain the preparation of dried human plasma. Explain its advantages of whole human blood.

OR

(b) What are requirements of an ideal plasma substitute? Explain the preparation of dextran.

5 (a) Give an account of microbial transformation of steroids.

OR

(b) Explain animal cell culture techniques and their applications.

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B. Pharmacy 4/4 II-Semester (Main) Examination, April 2018

Subject : Cosmetic Technology

Time : 3 Hours

Max. Marks: 70

Note: Answer all questions. All questions carry equal marks.

- 1 (a) (i) Define Cosmetics. Classify the Cosmetic Preparations.
(ii) Write a note on Regulatory requirements related to cosmetics.
OR
(b) (i) Classify Colors according to their sources with examples.
(ii) Describe the role of Preservation in Cosmetic preparation with examples.
- 2 (a) (i) Write a note on formulation of Lipsticks.
(ii) Give the formulation and evaluation of Baby shampoos.
OR
(b) (i) Discuss about the additives used in formulation of Face Powders.
(ii) Write short notes on Mascaras.
- 3 (a) (i) Write about the formulation and evaluation of Bleaching preparations.
(ii) Write a note on formulation of Nail Lacquers.
OR
(b) (i) Write about formulation and manufacture of Shaving creams.
(ii) Differentiate Deodorants and Antiperspirants.
- 4 (a) (i) Write about the formulation of Hair creams and Hair dyes.
(ii) Write short notes on Shampoos.
OR
(b) (i) Differentiate Depilatories and Epilatories.
(ii) Write in detail the formulation and manufacturer of Mouth washes.
- 5 (a) (i) Discuss about the formulation and manufacturing of Moisturising Lotions.
(ii) Discuss the additives used in Herbal shampoos with examples.
OR
(b) (i) Write briefly the formulation of Herbal Body oils.
(ii) What is the importance of Herbal Cosmetics?

FACULTY OF PHARMACY**B. Pharmacy 4/4 II-Semester (Main) Examination, April 2018****Subject : Hospital and Clinical Pharmacy****Time : 3 Hours****Max. Marks: 70*****Note: Answer all questions. All questions carry equal marks.***

- 1 a Describe procedures involved in administration of hospital pharmacy. 7
b Write the organization and function of pharmacy and therapeutic committee. 7
- OR**
- c Write the organization and function of hospital pharmacy services. 7
d Explain the concept of drug exchange program. 7
- 2 a Describe the procedure involved in dispensing of ancillary substances in hospital. 7
b Explain the procurement and distribution of bulk supplies in hospital pharmacy. 7
- OR**
- c Write different hospital equipment and mention their significance. 14
- 3 a Write the policies of poison information centres. 7
b Explain the concept of patient counselling clinical setup. 7
- OR**
- c Explain the concept of patient data analysis in organ function tests. 14
- 4 a Explain the concepts of rational drug therapy and mention the importance of essential drug list. 14
- OR**
- b Describe the procedures and mention the advantage and drawbacks of central sterile services and bed side pharmacy. 14
- 5 a Write the symptoms and pathophysiology of Ulcerative colitis and T.B. 14
- OR**
- b Write critical analysis and pharmaco-therapy of Syphilis and Parkinsonism. 14
