

B.Pharm IV Year I Semester (R15) Supplementary Examinations September 2022
CLINICAL & HOSPITAL PHARMACY

Time: 3 hours

Max. Marks: 70

PART – A
(Compulsory Question)

- 1 Answer the following: (10 X 02 = 20 Marks)
- (a) List the principle activities of clinical pharmacists.
 - (b) Define bioavailability and bioequivalence.
 - (c) Differentiate immunological and non-immunological ADRs
 - (d) Write a note on the drug interaction that alters the functions of the GIT.
 - (e) Enumerate the indicators of renal function.
 - (f) Write a note on abnormal platelet count.
 - (g) Write the composition of Pharmacy and Therapeutic Committee (PTC).
 - (h) Define hospital formulary and hospital formulary system.
 - (i) Define controlled drugs.
 - (j) Write a note on drug basket system.

PART – B
(Answer all the questions: 05 X 10 = 50 Marks)

- 2 (a) Summarize the factors affecting bioavailability.
(b) Enumerate the reasons for non-compliance.
- OR**
- 3 (a) Briefly describe the indications of therapeutic drug monitoring.
(b) Briefly explain the basic clinical pharmacokinetic parameters of first order elimination.
- 4 (a) Briefly explain the pharmacodynamic mechanisms of type B adverse drug reactions.
(b) Write notes on the different sources of drug information.
- OR**
- 5 (a) Outline the barriers in patient counseling.
(b) Classify the types of ward round participation.
- 6 (a) Discuss on liver function tests and their significance.
(b) Write short notes on white cell count.
- OR**
- 7 (a) Discuss on pulmonary function tests and their significance.
(b) Briefly describe renal clearance.
- 8 (a) Summarize the criteria followed for the addition or deletion of drugs in the formulary.
(b) Write the functions of pharmacy and therapeutic committee.
- OR**
- 9 (a) Outline the responsibilities of inpatients hospital pharmacists.
(b) Discuss the guidelines and preparation of hospital formulary.
- 10 (a) Write short notes on dispensing of controlled substances.
(b) Differentiate inpatient and outpatient drug distribution system.
- OR**
- 11 (a) Write short notes on floor stock method.
(b) Write the objectives and role of pharmacist in central sterile supply system.

B.Pharm IV Year I Semester (R15) Regular & Supplementary Examinations February 2022
CLINICAL & HOSPITAL PHARMACY

Time: 3 hours

Max. Marks: 70

PART – A
(Compulsory Question)

- 1 Answer the following: (10 X 02 = 20 Marks)
- (a) Define TDM.
 - (b) Write short notes on scope of clinical pharmacy.
 - (c) Write the goals of drug therapy monitoring.
 - (d) How does drug interaction affect drug response?
 - (e) What is false-positive and false-negative tests means?
 - (f) What is complete blood count?
 - (g) Give the function of hospital pharmacy (drug store).
 - (h) Write about the quality for hospital pharmacy.
 - (i) Write about the location of out-patients dispensing.
 - (j) Write the drug distribution system to in-patients.

PART – B
(Answer all the questions: 05 X 10 = 50 Marks)

- 2 Explain in detail about all aspects involved in therapeutic drug monitoring.
OR
- 3 (a) Write the scope of clinical pharmacy.
(b) Write the present scenario for national and international clinical pharmacy.
- 4 (a) Write short notes on adverse drug reactions with examples.
(b) Write short notes on drug interaction with examples.
OR
- 5 (a) Write the goal and objective in ward round participation of clinical pharmacist.
(b) Write the intervention, communication, pre-ward preparation for ward round.
- 6 Write in detail about the haematological clinical laboratory tests and interpretation of test results.
OR
- 7 Write about various test procedure for pulmonary function tests and interpretate with the results.
- 8 (a) Write about the requirements and abilities required for hospital pharmacy.
(b) Explain the role and responsibilities of hospital pharmacy.
OR
- 9 Explain the role, function, composition and responsibilities of PTC in drug safety.
- 10 Write various types of drug distribution and add a note on merits and demerits of drug distribution.
OR
- 11 (a) Write short notes on prescription filling and drug profile.
(b) Write short notes on in-patient and out-patient dispensing.

B.Pharm IV Year I Semester (R15) Supplementary Examinations August 2021
CLINICAL & HOSPITAL PHARMACY

Time: 3 hours

Max. Marks: 70

PART – A
 (Compulsory Question)

- 1 Answer the following: (10 X 02 = 20 Marks)
- Define rational use of drugs.
 - Define therapeutic drug monitoring.
 - List the activities of treatment chart review.
 - Give a note on ward round participation.
 - What is ESR and what is its significance?
 - How do you calculate GFR?
 - Define hospital formulary.
 - Define pharmacy & therapeutics committee.
 - What is satellite pharmacy?
 - Define drug profile.

PART – B
 (Answer all five units, 5 X 10 = 50 Marks)

UNIT – I

- 2 (a) Explain the international scenario of clinical pharmacy.
 (b) Write the scope of clinical pharmacy practice in India.

OR

- 3 (a) List the indicators for therapeutic drug monitoring.
 (b) Explain about volume of distribution.

UNIT – II

- 4 (a) Explain the merits and demerits of drug information resources.
 (b) Define drug interactions and give suitable examples of kinetic drug interactions.

OR

- 5 (a) What are the elements discussed in patient counseling content?
 (b) Write a note on Poison information service.

UNIT – III

- 6 (a) Write the reference ranges and significance of differential count.
 (b) Write a short note on Troponin.

OR

- 7 (a) What are pulmonary function tests and write the significance of FEV1.
 (b) Explain about renal function tests.

UNIT – IV

- 8 (a) Write the hierarchy of hospital pharmacy department.
 (b) Write the composition of pharmacy and therapeutics committee.

OR

- 9 (a) Explain the contents of hospital formulary.
 (b) Explain about lead time and economic ordering quantity.

UNIT – V

- 10 (a) Write a short note on individual prescription order method of drug distribution.
 (b) Discuss about the cart fill drug distribution.

OR

- 11 (a) Write a short note on stocking of controlled drug substances.
 (b) Write a note on ancillary label of a drug.

Code: 15R00703

R15

B.Pharm IV Year I Semester (R15) Regular & Supplementary Examinations November/December 2019
CLINICAL & HOSPITAL PHARMACY

Time: 3 hours

Max. Marks: 70

PART – A

(Compulsory Question)

- 1 Answer the following: (10 X 02 = 20 Marks)
- (a) Write the international scenario of clinical pharmacy.
 - (b) Write the importance of TDM.
 - (c) Write a note on food drug interaction.
 - (d) Write about medication chart review.
 - (e) Define E.S.R. Write its significance.
 - (f) Write a note on pulmonary function test.
 - (g) Write the responsibility of hospital pharmacist.
 - (h) Discuss about hospital formulary.
 - (i) Explain the ambulatory system.
 - (j) Write about drug distribution.

PART – B

(Answer all five units, 5 X 10 = 50 Marks)

UNIT – I

- 2 Write the prospects and perspectives and scope of clinical pharmacy.

OR

- 3 Explain concepts of essential drugs and rational drug use.

UNIT – II

- 4 Write in detail about drug poison information.

OR

- 5 Write about drug interactions.

UNIT – III

- 6 Discuss about liver function test.

OR

- 7 Explain about diagnostic test for cardiac function.

UNIT – IV

- 8 Explain about pharmacy and therapeutic committee.

OR

- 9 Write about purchase and inventory control in community health care.

UNIT – V

- 10 Explain in-patients and out-patients service.

OR

- 11 Discuss about prescription filling and drug profile.

Code: 15R00701

R15

B.Pharm IV Year I Semester (R15) Supplementary Examinations June 2019

NOVEL DRUG DELIVERY SYSTEMS

Time: 3 hours

Max. Marks: 70

PART – A

(Compulsory Question)

- 1 Answer the following: (10 X 02 = 20 Marks)
- Define extended release drug delivery system and mention examples.
 - What are the factors affecting sustained release dosage form.
 - Define diffusion controlled system with examples.
 - Write a short note on pH independent system.
 - Define targeted drug delivery system with its applications.
 - Define Liposomes.
 - Define transdermal DDS and its applications.
 - Write the mechanisms of bioadhesion.
 - Define nasal drug delivery system. Write its advantages and disadvantages.
 - Mention evaluation parameters of transdermal drug delivery.

PART – B

(Answer all five units, 5 X 10 = 50 Marks)

UNIT – I

- 2 Write a note on drug delivery system factors influencing it and performance of controlled release dosage form.
- OR**
- 3 Discuss rationale behind design of extended release drug delivery system and explain factors influencing it.

UNIT – II

- 4 Explain dissolution controlled drug delivery systems. Write the use of polymers in controlled drug delivery.

OR

- 5 Explain ion exchange resins and osmotic based drug delivery systems.

UNIT – III

- 6 Define targeted drug delivery system. Explain formulation and evaluation of nanoparticles.

OR

- 7 Write about application, formulation of targeted drug delivery system and evaluation of resealed erythrocytes.

UNIT – IV

- 8 Explain fundamentals of transdermal drug delivery system, materials employed and evaluation of TDDS.

OR

- 9 Define TDDS and permeation through the skin. Explain types of TDDS and evaluation parameters of it.

UNIT – V

- 10 Explain formulation and evaluation of Nasal Drug Delivery.

OR

- 11 Explain formulation and evaluation of Buccal Drug Delivery System.

Code: 15R00701

R15

B.Pharm IV Year I Semester (R15) Supplementary Examinations June 2019
NOVEL DRUG DELIVERY SYSTEMS

Time: 3 hours

Max. Marks: 70

PART – A
(Compulsory Question)

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 - What are the factors affecting sustained release dosage form.
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PART – B
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- 11 Explain formulation and evaluation of Buccal Drug Delivery System.

Code: 15R00703

R15

B.Pharm IV Year I Semester (R15) Supplementary Examinations June 2019

CLINICAL & HOSPITAL PHARMACY

Time: 3 hours

Max. Marks: 70

PART – A

(Compulsory Question)

- 1 Answer the following: (10 X 02 = 20 Marks)
- (a) Define clinical pharmacy. Give its objectives.
 - (b) What is therapeutic drug monitoring?
 - (c) Define adverse drug reactions and classify them.
 - (d) Give a note on patient counseling.
 - (e) Describe about complete blood picture along with their normal values.
 - (f) What is troponin T? What is the condition in which we go for troponin T?
 - (g) Give the responsibilities of a hospital pharmacist.
 - (h) Define hospital formulary.
 - (i) Explain about drug profile.
 - (j) Describe drug distribution.

PART – B

(Answer all five units, 5 X 10 = 50 Marks)

UNIT – I

- 2 (a) Write the definition and scope of clinical pharmacy.
(b) Explain in detail about objectives, stages and indications of therapeutic drug monitoring.
- OR**
- 3 (a) Write a note on rational drug use.
(b) Describe about the need for individualization of drug therapy.

UNIT – II

- 4 Explain pharmacodynamic and pharmacokinetic interactions with suitable examples.
- OR**
- 5 (a) Explain in detail about drug therapy monitoring and medication history review.
(b) Give a short note on drug information centre.

UNIT – III

- 6 Name all the pulmonary function tests and describe how they are performed.

OR

- 7 Describe in detail about the different liver and renal function tests along with their normal values.

UNIT – IV

- 8 Explain the purpose of different hospital committees and give the role of pharmacist in hospital committees.

OR

- 9 (a) Discuss the functions of hospital formulary.
(b) Discuss the purpose of organization and function of pharmacy and therapeutics committee.

UNIT – V

- 10 Explain drug distribution systems for Outpatients and inpatients in hospital pharmacy.

OR

- 11 Write about:
- (a) Dispensing of ancillary and controlled substances.
 - (b) Prescription filling.
