

Roll No.

--	--	--	--	--	--	--	--	--	--

Total No. of Pages : 01

Total No. of Questions : 06

M. Pharmacy (Pharmacy Practice) (Sem-2)
CLINICAL PHARMACOKINETICS AND THERAPEUTIC DRUG
MONITORING

Subject Code : MPP203T

M.Code : 79832

Date of Examination : 15-05-2024

Time : 3 Hrs.

Max. Marks: 75

INSTRUCTIONS TO CANDIDATES :

1. Attempt any FIVE questions out of SIX questions.
2. Each question carries FIFTEEN marks.

1. a) Draw and explain 'Traub & Johnson' nomogram for finding renal clearance in children.
b) Describe various methods for calculating area under curve to determine bioavailability.
2. Describe pharmacokinetic basis of drug-drug interactions with special emphasis on metabolic enzyme induction/inhibition using suitable examples.
3. a) Briefly describe about pharmacometrics software.
b) Briefly explain the implementation of Bayesian Approach using Non-Linear Mixed Effect Model.
4. a) Define Lean body weight and BMI. Describe the significance and methods of dose adjustment in obese subjects.
b) Describe the pharmacokinetic models for dose adjustment due to extracorporeal removal of drugs.
5. Describe the protocol for Therapeutic Drug Monitoring (TDM) and also the pharmacokinetic basis of TDM of Gentamicin and Vancomycin.
6. Write a short note on the following :
 - a) Factors affecting size of loading dose.
 - b) Genetic polymorphism in drug target genes.
 - c) Pharmacokinetic-pharmacodynamic correlation in drug therapy.

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



June-2024

Roll No.

Total No. of Pages : 01

Total No. of Questions : 06

M.Pharmacy (Pharmacy Practice) (Sem.-2)

PHARMACOEPIDEMOLOGY & PHARMACOECONOMICS

Subject Code : MPP204T

M.Code : 79833

Date of Examination : 18-05-2024

Time : 3 Hrs.

Max. Marks: 75

INSTRUCTIONS TO CANDIDATES :

1. Attempt any FIVE questions out of SIX questions.
2. Each question carries FIFTEEN marks.

1. Discuss in detail about measurement of risk, attributable risk, relative risk and time risk relationship.
2. Discuss in detail about various methods used in study of drug effects in populations with their applications, advantages and disadvantages.
3. Describe the types of outcomes. Discuss about their objectives and steps involved in measurement of various outcomes.
4. Discuss about various types of cost categorizations in pharmacoeconomic evaluations and their significance.
5. Define and discuss about the steps involved, applications, advantages and disadvantages of Cost utility analysis, Cost of illness and Cost consequences analysis.
6. Define and discuss about the need, steps involved, applications and advantages of decision analysis, decision tree and sensitivity analysis.

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.



June-2024

Roll No.

Total No. of Pages : 01

Total No. of Questions : 06

M.Pharmacy (Pharmacy Practice) (Sem.-2)

PHARMACOTHERAPEUTICS-II

Subject Code : MPP-202T

M.Code : 79831

Date of Examination : 11-05-2024

Time : 3 Hrs.

Max. Marks: 75

INSTRUCTIONS TO CANDIDATES :

1. Attempt any FIVE questions out of SIX questions.
 2. Each question carry FIFTEEN marks.
-
1.
 - a) Discuss in detail about pathophysiology and pharmacotherapy of Alzheimer's disease.
 - b) Indicate signs and symptoms of Parkinson's disease? How 'on and off' effect shown with levodopa is managed?
 2. Indicate various types of anxiety disorders and give a critical account on pharmacotherapy of anxiety disorders.
 3.
 - a) Add a note on drug induced renal disease.
 - b) Urinary tract infections.
 - c) Pharmacotherapy of chloroquine resistant malaria & cerebral malaria.
 4.
 - a) Give a detailed account on anti-HIV drugs.
 - b) Write a note on dysmenorrhea.
 5. **Write notes on following :**
 - a) Management of cancer chemotherapy induced nausea and vomiting.
 - b) Clinical features & pharmacotherapy of breast cancer.
 - c) Rational use of antibiotics and surgical prophylaxis.
 6.
 - a) Add a note on pharmacotherapy of depression.
 - b) Write a note on pharmacotherapy of systemic fungal infections.

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.



June-2024

Total No. of Questions : 06

Total No. of Pages : 01

PRINCIPLES OF QUALITY USE OF MEDICINES

Subject Code : MPP201T

M.Code : 79830

Date of Examination : 08-05-2024

Time : 3 Hrs.

Max. Marks: 75

INSTRUCTIONS TO CANDIDATES :

1. Attempt any FIVE questions out of SIX questions.
2. Each question carry FIFTEEN marks.

1.
 - a) Describe responsibilities of various key partners involved in quality use of medicines.
 - b) Briefly overview about National drug policy on essential drugs.
2.
 - a) Describe the role of pharmacist in rational drug use.
 - b) Describe various strategies to promote quality use of medicines.
3. Describe the principles of quality medicine prescribing practices in pregnancy and lactation.
4. Describe role of pharmaceutical industry in medicine development using principles of QUM.
5. Enlist various causes of medication errors and describe methods of detection and prevention of medication errors.
6. Write a short note on the following :
 - a) Communication in QUM
 - b) Role of pharmacist in pharmacovigilance.
 - c) Regulation of OTC medications.

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.

1 | M-79830

(S31)-365



June-2024