

Exam Date & Time: 03-May-2018 (02:00 PM - 05:00 PM)



## MANIPAL ACADEMY OF HIGHER EDUCATION

MANIPAL COLLEGE OF PHARMACEUTICAL SCIENCES  
END SEMESTER THEORY EXAMINATIONS- MAY 2018  
PROGRAM: MPHARM SEMESTER 2 (PHARMACY PRACTICE)

DATE: 03/05/2018

TIME: 2:00 PM - 5:00 PM

Principles of Quality Use of Medicines [PPR-MPP201T]

Marks: 50

Duration: 180 mins.

a

Answer all the questions.

Answer the following (5 marks x 8 = 40 marks)

- 1) Write the responsibilities of key partners in Quality Use of Medicine (QUM). (5)
- 2) Define Evidence Based Medicine (EBM) and explain the steps in practice of EBM (5)
- 3) Discuss the general prescribing guidelines for pregnancy. (5)
- 4) Discuss the QUM in hospital settings (5)
- 5) Explain the important strategic methods to prevent medication errors. (5)
- 6) Enlist the role of pharmacist in pharmacovigilance activities. (5)
- 7) Explain WHO recommendations for ensuring rational drug use of medicines. (5)
- 8) Explain the advantages and disadvantages of Indian drug regulatory environment in ensuring accessibility of medicines to the public. (5)

b

Answer all the questions.

Answer the following with specific answers (2 marks x 5 = 10 marks)

- 9) Define QUM. (2)
- A) (2)
- B) "Pros" and "cons" of evidence based medicine. (2)

P201T

- C) Define causality assessment of Adverse Drug Reaction. Enlist methods for it.
- D) Define Rational Drug Use (RDU) and Essential Medicine List (EML). (1)
- E) Complementary medicines in India needs better regulations. Justify (2)

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05-May-2018 (02:00 PM - 05:00 PM)



## MANIPAL ACADEMY OF HIGHER EDUCATION

MANIPAL COLLEGE OF PHARMACEUTICAL SCIENCES  
END SEMESTER THEORY EXAMINATIONS- MAY 2018  
PROGRAM: MPHARM SEMESTER 2 (PHARMACY PRACTICE)

DATE: 05/05/2018

TIME: 2:00 PM - 5:00 PM

Pharmacotherapeutics II [PPR-MPP202T]

Marks: 50

Duration: 180 mins.

a

Answer all the questions.

Answer the following (5 marks x 8 = 40 marks)

- 1) Discuss the pathophysiology & pharmacotherapy of Alzheimer's disease. (5)
- 2) Write the management algorithm for urinary tract infection in female (5)
- 3) Briefly describe the management of Neisseria meningitidis and Haemophilus influenza meningitis. (5)
- 4) Write the signs and symptoms and treatment regimen of P. vivax and P. ovale malaria. (5)
- 5) Explain management of Parkinson's disease with treatment algorithm? (5)
- 6) Explain DSM IV criteria for Depression. (5)
- 7) Explain management of Ischemia Stroke. (5)
- 8) Discuss the multimodality therapies of cancer. (5)

b

Answer all the questions.

Answer the following with specific answers (2 marks x 5 = 10 marks)

- 9) Mention the drug regimen for DOTS therapy (2)
- A)

- B) Enlist the etiology of pre-renal acute renal failure.
- C) Write drawbacks of levodopa in the management of Parkinson's disease.
- D) Mention any three causative pathogens for community and hospital acquired infection
- E) Explain the role of Lithium in Bipolar disorder. (2)

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me: 07-May-2018 (02:00 PM - 05:00 PM)



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MANIPAL COLLEGE OF PHARMACEUTICAL SCIENCES  
 END SEMESTER THEORY EXAMINATIONS- MAY 2018  
 PROGRAM: MPHARM SEMESTER 2 (PHARMACY PRACTICE)

DATE: 07/05/2018

TIME: 2:00 PM - 5:00 PM

Clinical Pharmacokinetics and Therapeutic Drug Monitoring [PPR-MPP203T]

Marks: 50

Duration: 180 mins.

**a**

Answer all the questions.

Answer the following (5 marks x 8 = 40 marks)

- 1) Enlist various method for assessing bioavailability and explain any one method in detail. (5)
- 2) Discuss conversion of Intravenous to oral dosing with examples. (5)
- 3) Discuss Induction of Drug Metabolizing Enzymes. (5)
- 4) Describe the approach of Bayesian theory with an example to explain this concept. (5)
- 5) Discuss hepatic drug clearance and extraction ratio. (5)
- 6) Enlist the indication for TDM for antiepileptic drugs and explain any two in detail. (5)
- 7) Discuss renal clearance ratio in detail and enlist various factors affecting the same. (5)
- 8) Discuss Maternal Pharmacokinetics and factors affecting placental drug transfer. (5)

**b**

Answer all the questions.

Answer the following with specific answers (2 marks x 5 = 10 marks)

- 9) Enlist the factors affecting drug distribution (2)
- A)
- B) Write the formulae for calculating loading dose. (2)

- C) Give reason why Individual PK is different from Population PK.
- D) Give dilling and fried's formulae for child dosage calculation.
- E) Enlist factors causing individual variability in drug response.

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Time: 09-May-2018 (02:00 PM - 05:00 PM)



## MANIPAL ACADEMY OF HIGHER EDUCATION

MANIPAL COLLEGE OF PHARMACEUTICAL SCIENCES  
 END SEMESTER THEORY EXAMINATIONS- MAY 2018  
 PROGRAM: MPHARM SEMESTER 2 (PHARMACY PRACTICE)

DATE: 09/05/2018

TIME: 2:00 PM - 5:00 PM

Pharmacoepidemiology and Pharmacoeconomics [PPR-MPP204T]

Marks: 50

Duration: 180 mins.

a

Answer all the questions.

Answer the following (5 marks x 8 = 40 marks)

- 1) Define pharmacoeconomics. Enumerate the four major types of pharmacoeconomic analysis and differentiate each of them. (5)
- 2) Define record linkage system (RLS) and explain information flow in RLS (5)
- 3) Explain phases and steps involved in conducting a drug use evaluation. (5)
- 4) Explain different types of health care cost categories in pharmacoeconomic research. (5)
- 5) What is spontaneous reporting. Explain in detail the strengths and limitations of spontaneous reporting. (5)
- 6) Explain attributable risk and relative risk with suitable example (5)
- 7) Discuss Defined Daily Dose and Prescribed Daily Dose with suitable examples. (5)
- 8) Describe the methods used in measure medication adherence. (5)

b

Answer all the questions.

Answer the following with specific answers (2 marks x 5 = 10 marks)

- 9) Enlist any four applications of pharmacoepidemiology research. (2)

A)

- B) Write a short note on Health Related Quality of Life (HRQOL).
- C) Define prescription event monitoring (PEM).
- D) Write the importance of case reports and case series.
- E) Enlist the major predictors associated with poor adherence to medications

(2)

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