

PHD50110
Pharm. D (Regular) Examinations -July, 2015
(Regulation 2010-11)
(Examination at the end of Fifth year of 6 Years Course)
Paper-I: Clinical Research

Time : Three hours

Maximum Marks: 70

Answer any FIVE questions. All questions carry equal marks.

1. Explain about preclinical pharmacological evaluation of drugs in drug discovery process.
2. Discuss about various phases of clinical trials.
3. Discuss about the role and responsibilities of CDSCO in conducting clinical research.
4. Explain about various methods used in post marketing surveillance of new drugs.
5. Discuss about Good clinical data management practices.
6. Write about the ethical considerations in clinical research. Add a note on IEC.
7. Write about the following:
 - i) High throughput screening
 - ii) INDA & ANDA
8. Discuss about the following:
 - i) Clinical study documents
 - ii) Acute and sub-acute toxicity evaluation of drugs.



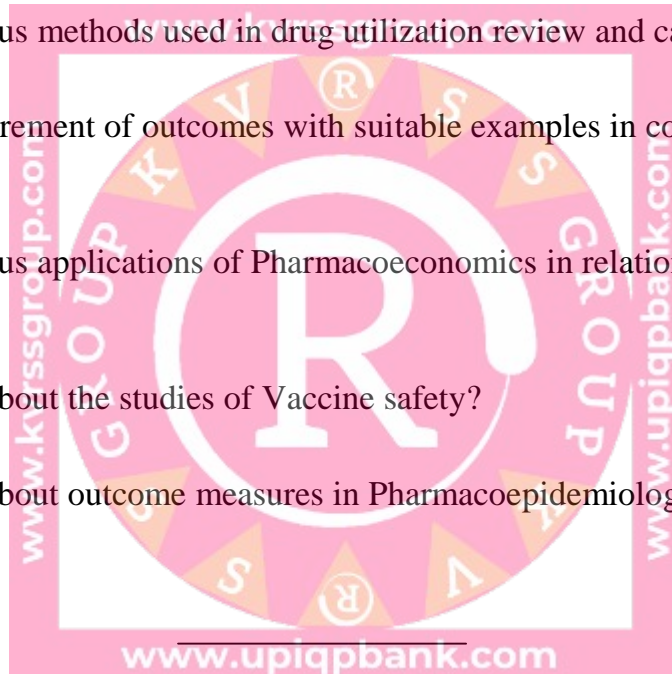
PHD50210
Pharm. D (Regular) Examinations -July, 2015
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Paper-II: Pharmacoepidemiology and Pharmacoeconomics

Time : Three hours

Maximum Marks: 70

Answer any **FIVE** questions. All questions carry equal marks

1. Explain the origin and evaluation of Pharmacoepidemiology. Add a note on its applications?
2. Describe the different types of Pharmacoeconomic evaluations?
3. Explain in detail about prescription event monitoring and record linkage system?
4. Describe the various methods used in drug utilization review and case control studies?
5. Explain the measurement of outcomes with suitable examples in cost minimization analysis model?
6. Describe the various applications of Pharmacoeconomics in relation to academics and industry?
7. Explain in detail about the studies of Vaccine safety?
8. Explain in detail about outcome measures in Pharmacoepidemiology?



PHD50310

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Paper-III: Clinical Pharmacokinetics & Pharmacotherapeutic Drug Monitoring

Time : Three hours

Maximum Marks: 70

Answer any FIVE questions

All questions carry equal marks

1. Explain about calculation of loading dose and maintenance dose? Discuss about the drug dosing in children.
2. What is enzyme induction and inhibition? Discuss about its influence on drug metabolism.
3. Explain the objectives and indications for TDM. Discuss about TDM of phenytoin.
4. What are the indications for extra corporal removal of drugs? Discuss about hemodialysis.
5. Discuss about the dose adjustment in renal failure persons.
6. Discuss about advantages and disadvantages of population pharmacokinetics. Explain about Bayesian Population Pharmacokinetic modeling methods.
7. What is pharmacogenetics? Discuss about the pharmacogenetic variations affecting the drug metabolism.
8. Write about the following:
 - i) Biliary excretion of drugs
 - ii) Drug dosing in obese patients

