

Pre University Examination, (2012 Batch)
MD Pharmacology
Paper I

(2015)

Time: 3hrs

MM:100

Note: Attempt all questions

1. Pathophysiological basis of drug treatment in schizophrenia
2. Ocular pharmacokinetics
3. Stereoisomers in therapeutics
4. Role & management of oxidative stress in diseases
5. NDA & IND(New drug application & Investigational new drug)
6. Biotransformation of drugs
7. Fluids & electrolytes in therapeutics
8. Fetal therapeutics
9. Toxicity amelioration in drug treatment
10. Prescribing in patients with concurrent hepatic diseases

Pre University Examination,(2012 Batch)
MD Pharmacology
Paper II

Time: 3hrs

MM:100

Note: Attempt all questions

1. Vitamin D as promising anticancer drug
2. Insulin secretagogues & Insulin resistance
3. Invasive fungal Infection in HIV patient
4. Ranolazine
5. Immunomodulators
6. Atrial natriuretic peptide
7. Antimicrobial resistance & Hospital acquired infection
8. Treatment guidelines for hyper-lipoproteinemia
9. Management of thyroid storm
10. GABA derivatives in CNS disorders

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Paper III

Time: 3hrs

MM:100

Note: Attempt all questions

1. Current status of pyrogen testing
2. Screening of anti-parkinson drugs
3. IAEC
4. Screening of drugs used in cataract
5. HPLC & spectrophotometry
6. Confidence interval & types of errors
7. Schedule Y & preclinical screening
8. Screening of antiepileptic drugs
9. Non Parametric tests
10. Acute Toxicity studies

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Paper IV

Time: 3hrs

MM:100

Note: Attempt all questions

1. New pharmacological targets for drugs used in management of thromboembolic disorders
2. Compensation law in Schedule Y
3. JNC8 vs JNC 7 guidelines
4. Recent antiosteoporetic drugs
5. Nomenclature of Monoclonal antibodies
6. Malaria vaccines
7. P-glycoprotein inhibitors
8. Indian GCP vs ICH-GCP
9. Electronic data capture
10. Incretin analogues

DEPARTMENT OF PHARMACOLOGY
SUBHARTI MEDICAL COLLEGE, MEERUT

2ND INTERNAL ASSESSMENT
P.G. 2012 BATCH

PAPER - I

TIME : 3 hrs.

M.M. – 100

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|----|---|----|
| 1. | Discuss pathophysiology of myasthenia gravis and pharmacological basis of drugs used to treat. | 10 |
| 2. | Discuss various methods of prolonging duration of action of a drug. | 10 |
| 3. | Write briefly on – | 20 |
| | a) Principle & use of spectrophotometer | |
| | b) Transgenic animals | |
| 4. | How does genetics factors affect drug response. What is role of pharmacogenomics in therapeutics. | 10 |
| 5. | Discuss various new methods of administering drugs. | 10 |
| 6. | Differentiate between zero order & first order kinetics of elimination giving suitable examples. | 10 |
| 7. | Give a brief account on G protein coupled receptor. | 10 |
| 8. | Discuss briefly uses of adrenaline, dopamine. | 10 |
| 9. | List cholinergic drugs and discuss their important clinical uses. | 10 |

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2nd INTERNAL ASSESSMENT
P.G. 2012 BATCH

PAPER – II

Time : 3 hrs.

M.M. – 100

1. Write pre-clinical tests to be performed for a new drug having - 30
 - a) Anti-depressant activity
 - b) Anti-diabetic activity

2. Classify anti-hypertensives. Discuss anti-hypertensive mechanism of diuretics and ACE inhibitors. 10

3. List anti-coagulants. Discuss why ^{it} takes 5-7 days for full effect of oral anticoagulant to appear. 10

4. Write briefly on -
 - a) Coronary steal phenomenon 5
 - b) Cardiac effects of digitalis 10
 - c) Fibrinolytics 10
 - d) Class III anti-arrythmic agents 10
 - e) ANOVA 10
 - f) Styptics / local hemostatics 5