

First Year M.Pharm Degree Examinations August 2016

(Pharmacy Practice)

Paper III – Pharmacotherapeutics

Time: 3 hrs

Maximum Marks: 100

- ***Answer all questions***
- ***Draw diagrams wherever necessary***

Essays:

(2x20 =40)

1. Describe the pain pathways. List the various opioid and non-opioid analgesics available for treatment of pain with its doses and side effects.
2. Explain the general principles of cancer chemotherapy. Describe the management of non small cell lung cancer.

Short Essays:

(6x10=60)

3. Explain the general prescribing guidelines for pediatric patients.
4. Distinguish between rheumatoid arthritis and osteoarthritis in terms of its clinical presentation, biological markers, diagnostic criteria and pharmacological therapy.
5. Mention names of any two drugs each that can cause:
 - Fixed drug eruption
 - Stevens Johnson's syndrome
 - Pulmonary fibrosis
 - Hemolytic anemia
 - Renal papillary necrosis
6. Classify the various types of epilepsy. Explain the management of various types of epilepsy.
7. Explain the compensatory mechanisms that occur in heart failure and pharmacological therapy to minimize them.
8. Explain the pathophysiology and management of hyperthyroidism. Add a note on management of thyroid storm.
