

BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI
(END SEMESTER EXAMINATION)

CLASS: B.PHARM
BRANCH: PHARMACY

SEMESTER : VII
SESSION : MO/18

SUBJECT: PS7411 CLINICAL PHARMACOLOGY

TIME: 3:00 HRS.

FULL MARKS: 60

INSTRUCTIONS:

1. The question paper contains 7 questions each of 12 marks and total 84 marks.
 2. Candidates may attempt any 5 questions maximum of 60 marks.
 3. The missing data, if any, may be assumed suitably.
 4. Before attempting the question paper, be sure that you have got the correct question paper.
 5. Tables/Data hand book/Graph paper etc. to be supplied to the candidates in the examination hall.
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- Q.1(a) "Antipsychotics therapy may produce Parkinson like symptoms" Explain. [2]
Q.1(b) Describe the diagnostic features and pathological hallmark of Parkinson's disease. [4]
Q.1(c) Classify anti-Parkinson's drugs along with their mechanism of action and toxicities. [6]
- Q.2(a) "Diuretics therapy may produce hypokalemia" Explain. [2]
Q.2(b) Discuss the therapeutics for different classes of Diuretics. [4]
Q.2(c) Classify Diuretics and explain their mechanisms of actions. [6]
- Q.3(a) Distinguish between asthma and anaphylaxis. [2]
Q.3(b) Write a note on drug induced allergy. [4]
Q.3(c) Classify and discuss the mechanism of action of anti-asthmatics. [6]
- Q.4(a) Distinguish between tonic and clonic convulsion. [2]
Q.4(b) Choose the therapeutics for different types of epilepsy. [4]
Q.4(c) Classify anti-epileptics and describe the mechanism of action of phenytoin. [6]
- Q.5(a) How do general anesthetics work? [2]
Q.5(b) What are the stages of anesthesia? [4]
Q.5(c) Prepare a patient for bariatric surgery. [6]
- Q.6(a) Distinguish between Type 1 and Type 2 diabetes. [2]
Q.6(b) Explain the mechanism of release of insulin from pancreatic beta cells. [4]
Q.6(c) Classify and discuss the mechanism of action of oral hypoglycemic agents. [6]
- Q.7(a) Classify corticosteroids with suitable examples. [2]
Q.7(b) Classify anemia. [4]
Q.7(c) Discuss the actions of cortisol and link them with prednisone toxicity. [6]

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