

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

CLASS: B.PHARM
BRANCH: PHARMACY

SEMESTER :VIII
SESSION : SP/18

SUBJECT: PS8407 CLINICAL PHARMACY & DRUG INTERACTIONS

TIME: 3 HOURS

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) Define clinical pharmacy. [2]
Q.1(b) Explain the drug use process. [4]
Q.1(c) What are the steps involved in pharmaceutical consultation? [6]
- Q.2(a) Discuss different types of diabetes. [2]
Q.2(b) Write a note on oral hypoglycemic agents. [4]
Q.2(c) Discuss various leukemia and lymphoma. [6]
- Q.3(a) Distinguish between hepatitis and cirrhosis. [2]
Q.3(b) Discuss the therapeutics of hepatitis. [4]
Q.3(c) Enumerate the risk factors for hepatitis and cirrhosis. [6]
- Q.4(a) Define adverse drug reaction. [2]
Q.4(b) Explain the terms teratogen. "Drugs may act as teratogen" Justify. [4]
Q.4(c) List some drugs which may be safely used during pregnancy. [6]
- Q.5(a) Explain the term clinical pharmacokinetics. [2]
Q.5(b) Discuss the relevance of compartment modeling in clinical pharmacokinetics. [4]
Q.5(c) Access the importance of volume of distribution, half-life and clearance in clinical pharmacy. [6]
- Q.6(a) List the positive and negative symptoms of Schizophrenia. [2]
Q.6(b) Explain the clinical symptoms and pathological hallmarks of Parkinson's disease. [4]
Q.6(c) Discuss Anti-Parkinson's therapeutics. [6]
- Q.7(a) "Dopamine is primarily involved in the pathogenesis of schizophrenia". Criticize. [2]
Q.7(b) Write a note on pediatric dose calculation. [4]
Q.7(c) "Essential medicine is an important component of national healthcare policy" Justify. [6]

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