

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

CLASS: B.PHARM
BRANCH: PHARMACY

SEMESTER : VIII
SESSION : SP/19

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 and mention it's importance. [2]
Q.1(b) Define ADR and give a detailed classification of ADR according to Wills and Brown. [4]
Q.1(c) Elaborate the mnemonics WWHAM, ENCORE, AS METHOD. Mention the steps involved in the pharmaceutical care and consultation process. [6]
- Q.2(a) Define TDM. [2]
Q.2(b) Enlist the health professionals involved in TDM services and what are their individual roles. [4]
Q.2(c) Discuss the criteria for conducting TDM. Mention 5 classes of drugs with examples for which TDM is essential. [6]
- Q.3(a) What is cirrhosis? Classify the types of hepatitis. [2]
Q.3(b) Enumerate the causes of liver cirrhosis. [4]
Q.3(c) Elaborate on the symptoms, complications and treatment of cirrhosis. [6]
- Q.4(a) Define ulcerative colitis. [2]
Q.4(b) Illustrate the symptoms and diagnostic procedures which differentiates it from other inflammatory conditions. [4]
Q.4(c) Discuss the various treatment regimens of ulcerative colitis. [6]
- Q.5(a) Enumerate the methods of drug transport across membranes. [2]
Q.5(b) What is the significance of Henderson-Hasselbach equation in drug distribution? [4]
Q.5(c) Write a note on excretion of drugs with examples. [6]
- Q.6(a) What is bioequivalence? [2]
Q.6(b) Discuss the different drugs used in Alzheimer's disease. [4]
Q.6(c) Illustrate the pathogenesis of Alzheimer's disease. [6]
- Q.7(a) Define bioavailability. [2]
Q.7(b) Why do we need to bother about pharmacokinetics in drug discovery? [4]
Q.7(c) Illustrate the absorption of drug via different routes of administration. [6]

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