DEPARTMENT OF BIOCHEMISTRY 2007/2008 RAIN SEMESTER EXAMINATION COURSE TITLE: BIOCHEMICAL PHARMACOLOGY COURSE CODE: BCH 418 INSTRUCTION: Answer five (5) questions only TIME ALLOWED: 21/2 hours Using specific examples, write short but concise notes on the following: Diseases Drug actions Drug names Pharmacogenetics What do you understand by drug resistance and discuss the factors that contribute to the spread of resistance. How can physicians tackle the problems of drug resistance? Using 5 specific examples, differentiate between mechanism of developing resistance to antibiotic under these heading: name of drug, class, mechanism of action and mechanism of resistance In your own view, why will a drug that is toxic to an infectious agent be of no toxicological significance to the host? Using specific examples discuss 5 factors each that can affect the Absorption lvietabolism ____ of chemotherapeutic agents. Mrs.Oluwaji, a postgraduate student of OOU was admitted to OOUTH. Upon clinical investigation, she was diagnosed of "ricketsae chalmydine". Describe the mechanism of the drug that will be suita for the treatment of the disease under the following heading: Antimicrobial activities li. Chemistry Pharmacokinetics iii. Clinical uses. iv. What is a broad spectrum antibiotic? Give 5 examples. Write concise notes on the adverse reactions of chloramphenicol. Describe the mechanism of "N-Acetyl L P-aminophenol" under the following: Pharmacokinetics Indications III. Adverse effect Dosage. What are the advantages and disadvantages of medicinal plant in comparison with synthesic drug? a. Discuss the use of a named herb in the treatment of an ailment with particular emphasis on Ь. Pathogenesis of the disease. Mode of preparation of the herb iii. Phytochemical constituents iv Mechanisms of action