Seat No.: ____ Enrolment No.___ **GUJARAT TECHNOLOGICAL UNIVERSITY B.PHARM SEM-VI WINTER EXAMINATION** Subject code: 260004 Date: 26/12/2012 Subject Name: Pharmaceutical Chemistry-VIII (Medicinal) Time: 2:30 – 5:30 pm **Total Marks: 80 Instructions:** 1. Attempt any five questions. 2. Make suitable assumptions wherever necessary. 3. Figures to the right indicate full marks. Q-1 a) What are xenobiotics? Discuss importance of CYP450 in xenobiotics metabolism. [6] b) Write detail note on Drug receptor interaction. [5] c) Give accounts for Sympatholytics. [5] a) What are parasympathomimetics? Classify them with suitable examples. Q-2 [6] b) Discuss SAR of Phenylethanolamines. [5] c) Give synthetic route of Dicyclomine and Ephedrine. [5] a) What are Brain stimulants? Write Classification with suitable examples. Q-3 [6] b) Write note on General anesthetics. [5] c) Discuss SAR of Tricyclic Antidepressant agents. [5] Q-4 a) What are Anxiolytics? Classify them. [6] b) Discuss SAR of Barbiturates. [5] c) Write a note on antiparkinson's agents. [5] Q-5 a) What are Opiod analgesics? Write mechanism of actions and Classification of Opiod analgesics. [6] b) Explain NSAIDs in detail. [5] c) What is Alzheimer's disease? Discuss its treatment. [5] Q-6 a) Explain factors affecting Drug metabolism in detail. [6] b) Give classification Anticholinergic agents with suitable examples. [5] c) Discuss treatment of Gout in detail. [5] Q-7 a) What are local anaesthetic drug? Give Classification with suitable examples. [6] b) Give accounts for Antiepileptic agents. [5] c) Write a note on hallucinogens [5]
