5925 MJ

F-1/2051

B. Pharmacy II Sem Paper-2002 (SET 2) Organic Chemistry

M. marks: 70 Note: Attempt three questions each from section A and

Time: 3h ction C is

Attempt three questions each from section A and Section B. Sec	tion
compulsory.	
SECTION A	

0.1.	Describe various methods of preparation of aldehydes	7
·	Describe various methods of preparation of alcohols.	7
Q.3.	Describe various reactions of alkenes.	7
Q.4.	Describe various reactions of amines.	7

SECTION B

Q.5.	Write a note on alkylation of carbonyl compounds via enamines.	7
Q.6.	Write a note on chemical reactions of benzene.	7
Q.7.	Write a note on Diels alder reaction.	7
Q.8.	Write a note on Michael addition.	7

SECTION C

Q.9.a.	Define Diastereomers.	2
b.	Define optical activity.	2
c.	What is hydrogen bonding?	2
d.	How will you identify carboxylic acid functional group?	2
e.	Write the structure of malic acid and lactic acid.	2
f.	Define nucleophile.	2
g.	What are carbanions?	2
h.	Why trichloroacetic acid is more acidic than chloroacetic acid?	2
i.	What is steric strain in cyclobutane?	2
j.	What is inductive effect?	2
k.	What is $S_N 2$ reaction?	2
l .	What is Markovnikoff's rule?	2
m.	What is resonance?	2
n.	Write the structure of anthracene and phenanthrene.	2