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**ITS DENTAL COLLEGE, HOSPITAL AND RESEARCH CENTER**  
**GREATER NOIDA**

2<sup>nd</sup> Year B.D.S (2006 Batch)  
1<sup>st</sup> Terminal Examination (Theory) 10.3.08

**Subject: Pharmacology**

**Time: 3 Hours**

**Max. Marks: 50**

**Note:**

1. Answer Part A and Part B on separate answer sheets.
2. Attempt all questions.

**PART - A**

- Q1. Enumerate different mechanism of drug action. Discuss factors modifying the drug response. 8
- Q2. Discuss therapeutic uses of: 12(4X3)
- (a) Atenolol.
  - (b) Adrenaline.
  - (c) Succinylcholine.
- Q3. Write short notes on: 12(4X3)
- (a) Thiopentone sodium.
  - (b) First pass metabolism of drugs.
  - (c) Balanced anaesthesia.

**PART - B**

- Q4. Enumerate antihistamines. Discuss their therapeutic uses and adverse drug reactions. 6
- Q5. Write short notes on: 12(4X3)
- (a)  $\beta_2$  stimulants.
  - (b) Anticholinesterases.
  - (c) Theophylline.

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17, Knowledge Park III, Greater Noida

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**ITS Dental College, Hospital & Research Centre,  
Greater NOIDA**

**2<sup>nd</sup> Year BDS (2006 Batch)  
2<sup>nd</sup> Internal Assessment Examination (Theory)**

**Subject: Pharmacology**

Time: 3 Hrs.

Max. Marks: 50

**Note:**

1. Attempt all questions.
2. Answer Part A and Part B in separate answer sheets.

**Part A**

- Q1. Enumerate Selective Cox – 2 inhibitors. Discuss their pharmacological actions, adverse drug reactions and therapeutic uses. 8
- Q2. Write short notes on: 12(4X3)  
(a) Phenytoin sodium  
(b) Neostigmine.  
(c) Amoxicillin.
- Q3. Give the pharmacological basis for combining: 12(4X3)  
(a) Lignocaine with adrenaline.  
(b) Amoxicillin with clavulanic acid.  
(c) Atracurium with inhalation anesthetics.

**Part B**

- Q4. Classify local anesthetics. Discuss the mechanism of action, pharmacological action and routes of administration of lignocaine. 6
- Q5. Discuss briefly: 12(4X3)  
(a) Zolpidem.  
(b) Impact of irrational use of medicines.  
(c) Warfarin.

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ITS Dental College, Hospital and Research Centre  
Greater Noida  
2 nd yr BDS (2006)  
3 rd internal assessment Examination Theory  
Subject: **Pharmacology**  
Date 22.09.08

Time: 3 hrs

MM marks 50

Note :

1. Attempt all the questions
2. Answer part A and Part B in separate answer sheets

**Part A**

Q1 . Define Pharmacokinetics of a Drug . What are the factors that influence absorption of a drug from the Gastrointestinal tract ?

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Q2 . Write differences between

- a) Efficacy and Potency
- b) Lignocaine and Bupivacaine

(4x2=8)

Q 3 . Write short notes on :

- a) Tramadol
- b) Glyceryl trinitrate
- c) Nitrous oxide

(3x3=9)

**Part B**

Q 4 . Enumerate Flouroquinolones . Give antibacterial spectrum , therapeutic uses and adverse drug reactions of Gatifloxacin

8

Q 5 . Give the pharmacological basis for

- a) Combined use of Antitubercular Drugs
- b) Thiazides in Hypertension

(4x2=8)

Q6 . Write short notes on :

- a) Metformin
- b) Opioids
- c) Clopidogrel

(3x3=9)

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