



SB-1271

Second Year D. Pharm. Examination

March / April – 2011

Pharmacology & Toxicology

Time : Hours]

[Total Marks : 80

Instructions :

(1)

नीचे दर्शाविए निशानीवाणी विगतो उत्तरवही पर अवश्य लपवी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
<input type="text" value="S. Y. D. Pharm."/>	<input type="text"/>
Name of the Subject :	<input type="text"/>
<input type="text" value="Pharmacology &amp; Toxicology"/>	<input type="text"/>
Subject Code No. : <input type="text" value="1"/> <input type="text" value="2"/> <input type="text" value="7"/> <input type="text" value="1"/>	Section No. (1, 2,.....) : <input type="text" value="1&amp;2"/>
Student's Signature	

- (2) Attempt **all** questions.
- (3) All questions carry **equal** marks.
- (4) Tie and submit each section separately.
- (5) Figures to the **right** indicate marks.

### SECTION - I

- 1 Write mechanism of action : (any **five**) 5×2=10
  - (i) Digoxine
  - (ii) Diazepam
  - (iii) Levodopa
  - (iv) Amphetamine
  - (v) Warfarine
  - (vi) Bleomycine
  - (vii) Cyclophosphamide
  - (viii) Omeprazole.
  
- 2 Attempt any **five** : 5×4=20
  - (i) Plasma protein binding
  - (ii) Write about propranolol
  - (iii) Write pharmacology of quinidine
  - (iv) Write a short note on non depolarizing skeletal muscle relaxant
  - (v) Classify local anaesthetic. Write phases of anaesthesia
  - (vi) Classify diuretics
  - (vii) Route of administration
  - (viii) Write note on digoxine.

- 3 Attempt any **one** : **1×10=10**  
(i) Classify narcotic analgesic. Write pharmacology of morphine.  
(ii) Classify and give detail pharmacology of antipsychotic.

## SECTION - II

- 4 Write differences between following pairs : **5×2=10**  
(attempt any **five**)  
(i) Acetylcholine and adrenaline  
(ii) Methotrexate and mercaptopurine  
(iii) Atenolol and propranolol  
(iv) Calcitonin and parathyroid hormone  
(v) Tubocurarine and succinylcholine  
(vi) Ranitidine and omeprazole  
(vii) Tetracyclin and penicillins  
(viii) Ganglion stimulants and ganglion blockers.
- 5 Attempt any **five** : **5×4=20**  
(i) Discuss in brief H<sub>2</sub> antagonist  
(ii) Describe process involved in sympathetic neurotransmission along with drugs interfering with autonomic transmission process.  
(iii) Write a short note on sulphonamide.  
(iv) Write mechanism of action and adverse reactions of acyclovir.  
(v) Discuss pharmacological actions of 5 HT  
(vi) Write mechanism of action, therapeutic uses and adverse reactions of metronidazole.  
(vii) Write a short note on tetracycline.  
(viii) Write mechanism of action and adverse reactions of penicillin.
- 6 Attempt any **one** : **1×10=10**  
(i) Classify antidiabetic drugs. Write mechanism of action, pharmacological action, therapeutic uses and adverse reactions of tolbutamide.  
(ii) Classify anticancer drugs and describe anticancer antibiotics.
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