



RO-0633

**B. Sc. (Nursing) Examination**  
**June - 2010**  
**Pharmacology, Pathology & Genetics**

Time : Hours]

[Total Marks :

**Instructions :**

(1)

नीचे दृशविवेक निशानीवाणी विगतो उत्तरवही पर अवश्य कर्जवी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
<input type="text" value="B. Sc. (Nursing)"/>	<input type="text"/>
Name of the Subject :	<input type="text"/>
<input type="text" value="Pharmacology, Pathology &amp; Genetics"/>	<input type="text"/>
Subject Code No. : <input type="text" value="0"/> <input type="text" value="6"/> <input type="text" value="3"/> <input type="text" value="3"/>	Section No. (1, 2,...): <input type="text" value="A&amp;B"/>
Student's Signature	

- (2) Draw neat and labeled diagram when necessary.
- (3) Write to the point.
- (4) Section A and Section B to be answered in different answer sheet.

**SECTION - A**

- 1 Attempt any one : 10
  - (1) Define receptor. Explain different types of receptors (in detail).
  - (2) Classify antineoplastic agents. Describe the mechanism of action, therapeutic use and adverse effect of Alkylating agents.
  
- 2 Answer in brief :(any four) 20
  - (1) Explain role of beta-blocker in IHD, hypertension and heart failure.
  - (2) What is leprosy ? Give WHO drug regimen for different types of leprosy.
  - (3) Classify antithyroid drugs and explain mechanism of each class. Describe the rationale for the use of radioactive iodine in thyrotoxicosis.
  - (4) Write a note on benzodiazepines as antianxiety drugs.
  - (5) Classify antibiotics according to its mechanism of action. Discuss the mechanism of bacterial resistance against antibiotics.

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[Contd...

- 3** Write notes on : (any **two**) **10**  
(1) Cell cycle specific anticancer drugs  
(2) Oral contraceptives  
(3) Anti-ulcer drugs.

### SECTION - B

- 4** Write any **one** : **8**  
(1) Explain in detail different types of arthritis.  
(2) Write in detail about serum analysis and importance of each test.
- 5** Write notes on : (any **four**) **12**  
(1) Blood group and cross matching  
(2) Cell division  
(3) Gene therapy  
(4) Peptic ulcer  
(5) Nephritis.
- 6** Write any **three** : **15**  
(1) Explain in detail down syndrome and huntington's disease.  
(2) Describe in detail human genome project ?  
(3) Explain mechanism of inheritance.  
(4) Different types of anemia and test for confirmation of anemia.
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