

**Q.P. CODE:**  
**DR NTR UNIVERSITY OF HEALTH**  
**SCIENCES :: AP :: VIJAYAWADA**  
**B.Sc(Nursing) DEGREE EXAMINATIONS –**  
**NOVEMBER, 2010**  
**SECOND YEAR EXAMINATION – 4 YDC**  
**PHARMACOLOGY, PATHOLOGY &**  
**GENETICS**  
**(NEW SCHEME)**

Time: 3 Hours

Max. Marks: 75

Note: Answer all questions

Answer Part-A & B in TWO separate answer books.

Questions in Part'A' should not be answered in Part'B' and Vice versa. Otherwise they will not be valued.

**PART-A (PHARMACOLOGY)- 38 MARKS**

**Write any TWO of the following:**

1) Enumerate the different routes of drug administration with examples. Write the advantages and disadvantages of intravenous route.  $2 \times 10 = 20$

b) Classify anti-malarial drugs. Write the mechanism of action, uses and adverse effects of any two of them.

c) Classify the non-steroidal anti-inflammatory drugs (NSAIDs). Write the uses and adverse effects of aspirin.

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**Write short notes on any THREE of the following:**

2) Enumerate oral antidiabetic drugs. Write about any two of them. 3x6=18

b) Ciprofloxacin

c) Bronchodilators

d) Frusemide

e) Heparin

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## **PART-B (PATHOLOGY & GENETICS) – 37 MARKS**

### **(Pathology - 25 Marks)**

**Write any TWO of the following:**

- 1) Define Inflammation. Discuss cellular events of Acute Inflammation.  $2 \times 8 = 16$
- b) Name Chronic Obstructive Pulmonary Diseases. Discuss Bronchiectasis.
- c) Discuss Etiology and Pathology of Carcinoma Cervix.

**Write short notes on any THREE of the following:**

- 2) CSF findings in Tuberculous Meningitis  $3 \times 3 = 9$
- b) Hemoglobin Estimation
- c) Methods of collection of Blood sample for various clinical pathology tests.
- d) Tests for Blood in urine
- e) Types of Carcinoma Breast

### **(Genetics - 12 Marks)**

**Write short notes on any THREE of the following:**

- 3) Mitosis and Meiosis  $3 \times 4 = 12$
- b) Cytogenetic disorders involving autosomes.
- c) Sex Chromatin
- d) What are the conditions which affects the foetus during pregnancy (Inflammatory and genetic conditions)

## e) Genetic Counselling.

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