

**Q.P. CODE: 338**  
**DR NTR UNIVERSITY OF HEALTH**  
**SCIENCES :: AP :: VIJAYAWADA**  
**B.Sc(Nursing) DEGREE EXAMINATIONS –**  
**JUNE, 2012**  
**SECOND YEAR EXAMINATION - 4 YDC**  
**PHARMACOLOGY, PATHOLOGY &**  
**GENETICS**  
**(NEW SCHEME)**

Time: 3 Hours

Max. Marks: 75

Note: 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 an essay on any ONE of the following**

7. e) Classify Penicillins. Discuss the mechanism of action, common adverse effects and uses of Penicillins. 13

f) Enumerate drugs used in congestive cardiac failure. Discuss the mechanism action, adverse effects and uses of the enalapril.

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

8. a) Skeletal Muscle Relaxants  $3 \times 5 = 15$

b) Classify Bronchodilators

c) Imipramine

d) Oral antidiabetic agents

e) Corticosteroids

**Write Brief Answers of the following:**

9. a) Uses of oral Contraceptive Pill 5x2=10

b) Uses of aminoglycosides

c) Side effects of Levodopa

d) Write any four responsibilities of a nurse in administering Lasix

e) List down the side effects of proton pump inhibitors

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**PART-B (PATHOLOGY & GENITICS)- 37**  
**MARKS**

**Write any ONE of the following**

5. a) Describe types of necrosis with examples and a neat diagram 1x9=09

b) Describe etiopathogenesis and pathology of rheumatic heart disease.

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

6. a) Urine analysis 2x5=10

b) Fracture healing

c) Types of Emphysema

d) Vesicular mole

**Write Brief Answers of the following:**

3. a) Mention four differences between exudates and transudate 3x2=6
- b) Enumerate the types of meningitis.
- c) List the types of cross matching.

## **GENETICS - 12 Marks**

**Write Short notes on any TWO of the following**

1. a) Amniocentesis 2x4=8
- b) Down's syndrome
- c) Mitosis and Meiosis
- d) Describe the role of nurse in genetic services and counseling.

**Write Brief Answers of the following:**

2. a) Enumerate the signs and symptoms of Turner's syndrome 2x2=4
- b) Name four maternal infections affecting foetal growth.

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