

**Q.P. CODE: 338**  
**DR NTR UNIVERSITY OF HEALTH**  
**SCIENCES :: AP :: VIJAYAWADA**  
**B.Sc (Nursing) DEGREE EXAMINATIONS –**  
**JUNE, 2016**  
**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**

147) Classify fluoroquinolones. Write the mechanism of action, adverse effects and uses of ciprofloxacin. 13

148) Classify drugs used to treat heart failure. Write mechanism of action, adverse effects and uses of Digoxin  
13

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

149) Cough suppressants 3x5=15

150) Amoxicillin

151) Antidepressant drugs

152) Antiepileptic drugs

153) Uses of beta blockers

**Write Brief Answers of the following:**

154) Define Therapeutic window 5x2=10

155) Name 4 drugs used to treat tuberculosis

156) Define ascorbic acid

157) Name two antithyroid drugs and two prostaglandin analogues

158) Name two hypolipidemics and two plasma expanders

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

**PATHOLOGY - 25 MARKS**

**Write any ONE of the following:**

16) Mention the blood collection methods for pathology, biochemistry and microbiology investigations. 1x9=09

17) What is Atherosclerosis? Mention the risk factors and complications of Atherosclerosis.

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

18) Methods of blood grouping and crossmatching.

$2 \times 5 = 10$

- 19) Cryptorchidism.
- 20) C.S.F. findings in Tuberculous Meningitis.
- 21) Lung abscess.

**Write Brief Answers of the following:**

- 22) Enumerate the cardinal signs of Acute Inflammation.

$3 \times 2 = 6$

- 23) List the complications of Lobar Pneumonia.
- 24) Mention four causes of Ketonuria.

**GENETICS - 12 MARKS**

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

- 25) Sex Chromatin  $2 \times 4 = 8$
- 26) Spontaneous Abortion
- 27) Down's Syndrome
- 28) Role of Nurse in Genetic Counselling

**Write Brief Answers of the following:**

- 29) What is Trisomy? Give two examples.  $2 \times 2 = 4$
- 30) Mention four abnormalities in Turner Syndrome.

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