

**Q.P. CODE:338**  
**DR NTR UNIVERSITY OF HEALTH**  
**SCIENCES :: AP :: VIJAYAWADA**  
**B.Sc(Nursing) DEGREE EXAMINATIONS –**  
**NOVEMBER, 2015**  
**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**

159) Classify antihypertensives. Write the mechanism of action, adverse effects and uses of Enalapril.

4+2+3+4=13

160) Enumerate Aminoglycosides. Write the mechanism of action, adverse effects and uses of Gentamicin.

3+10=13

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

161) Uses of Aspirin 5

162) Mechanism of action and adverse effects of \_\_\_\_\_

Penicillin G 5

163) Bronchodilators 5

164) Oral anticoagulants 5

165) Omeprazole 5

**Write Brief Answers of the following:**

166) Name two muscle relaxants with their mechanism of action 2

167) Mention two merits and two demerits of V drug administration 2

168) Mention four uses of metronidazole 2

169) Mention four antiepileptics 2

170) Define i) Plasma half life ii) tolerance 2

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

### **PATHOLOGY - 25 MARKS**

**Write any ONE of the following:**

31) Define and classify Edema. Describe the pathogenesis of Edema. 9

32) Describe the pathogenesis, morphology and complications of peptic ulcer. 9

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

33) Diagnosis of carcinoma cervix. 5

34) Factors influencing wound healing. 5

35) Eosinophilia. 5

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36) Prothrombin time. 5

**Write Brief Answers of the following:**

37) Mention types of Renal Calculi. 2

38) Mention four conditions with prolonged bleeding time. 2

39) Mention four causes of testicular atrophy. 2

### **GENETICS - 12 MARKS**

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

40) Gene therapy 4

41) Familial Cancer 4

42) Methods of prenatal testing 4

43) Genetic haemochromatosis 4

**Write Brief Answers of the following:**

44) Amniocentesis – Define. 2

45) Mention four inborn errors of metabolism. 2

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