

**Q.P. CODE:338**  
**DR NTR UNIVERSITY OF HEALTH**  
**SCIENCES :: AP :: VIJAYAWADA**  
**B.Sc (Nursing) DEGREE EXAMINATIONS –**  
**JUNE, 2019**  
**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**

28) Classify nonsteroidal anti-inflammatory drugs (NSAIDS). Write mechanism of action, uses and adverse effects of aspirin 13

29) Enumerate Aminoglycosides. Write the mechanism of action, adverse effects and uses of Gentamicin  
3+3+3+4=13

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

30) Oral anticoagulants 5

31) Fluoroquinolones 5

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32) CoX2 inhibitors 5

33) Loop diuretic (furosemide) 5

34) Cephalosporins 5

**Write Brief Answers of the following:**

35) Name two skeletal muscle relaxants. Mention two uses 2

36) Name two antitussive agents. Write two adverse effects 2

37) List four uses of diazepam 2

38) List four general anaesthetic agents 2

39) Name two uterine stimulants. Write two uses. 2

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

**PATHOLOGY - 25 MARKS**

**Write any ONE of the following:**

40) Define necrosis. Discuss in detail the different patterns of necrosis with examples. 9

41) Define metastasis and discuss the various pathways of spread with examples. 9

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

42) Discuss the etiological factors involved in cardiac ischemia and its morphological consequences. 5

43) Discuss the etiopathogenesis of carcinoma stomach 5

44) Discuss the peripheral and bone marrow findings in

iron deficiency anaemia 5

45) Discuss the importance of semen analysis in a case of infertility 5

**Write Brief Answers of the following:**

46) Mention the etiological factors involved in fatty liver 2

47) Mention the morphological features of peptic ulcer 2

48) Mention the sputum findings in COPD 2

## **GENETICS - 12 MARKS**

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

49) Discuss Mendelian theory of inheritance with examples 4

50) Discuss in brief the effect of maternal age on developmental defects and diseases 4

51) Write in brief about gene therapy 4

52) Spontaneous abortion 4

**Write Brief Answers of the following:**

53) Mention four autosomal recessive disorders 2

54) Mention four maternal infections causing diseases in child 2

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