

**Q.P. CODE:338**  
**DR NTR UNIVERSITY OF HEALTH**  
**SCIENCES :: AP :: VIJAYAWADA**  
**B.Sc(Nursing) DEGREE EXAMINATIONS –**  
**JUNE, 2013**  
**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**

4. Write an essay on any ONE of the following
- c) List the glucocorticoids. Write the adverse effects and uses of glucocorticoids.
  - d) Classify nonsteroidal anti-inflammatory drugs. Write the mechanism of action, adverse effects and uses of aspirin.
5. Write short notes on any THREE of the following:  
3x5=15
- 
- a) Amoxicillin

- b) Hormonal contraceptives
  - c) Vitamin A
  - d) Digoxin
  - e) First line antitubercular drugs
6. Write Brief Answers of the following:  $5 \times 2 = 10$
- a) What is a diuretic? Give two examples
  - b) Name two bronchodilators and two antitussives
  - c) Name two drugs used in roundworm infestation and two drugs in amoebiasis
  - d) Name two antiepileptic drugs and two antipsychotic drugs.
  - e) Write two advantages and two disadvantages of intravenous route of drug administration.

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

3. Write any ONE of the following: 1x9=09
- Discuss various preservatives, collection methods and analysis of urine sample.
  - What is atherosclerosis? What are the risk factors of atherosclerosis? Add a note on the complications of atherosclerosis.
4. Write short notes on any TWO of the following:  
2x5=10
-

- a) Vesicular mole
  - b) Methods of estimation of clotting and bleeding time
  - c) Bone healing
  - d) Tuberculosis
3. Write Brief Answers of the following:  $3 \times 2 = 6$
- a) Sulpho Salicylic acid test
  - b) Normal hemoglobin values
  - c) Types of ESR estimation

## **GENETICS - 12 Marks**

1. Write Short notes on any TWO of the following  
 $2 \times 4 = 8$
- a) Down's syndrome
  - b) Laboratory tests used in genetics
  - c) Karyotyping
  - d) Inborn errors in metabolism.
2. Write Brief Answers of the following:  $2 \times 2 = 4$
- a) Mention four autosomal recessive disorders
  - b) Four abnormalities in Turner's syndrome

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**NOVEMBER, 2012**  
**SECOND YEAR EXAMINATION-4 YDC**

Time: 3 Hours

Max. Marks: 75

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**PART-A (PHARMACOLOGY) – 38 MARKS**

4. Write an essay on any ONE of the following 1x10=10
- a) Classification of antimalarials with examples. Write mechanism of action, adverse effects and uses of Chloroquine.
  - b) Classification of antibiotics. Write mechanism of action, adverse effects and uses of Penicillin group of antibiotics.
5. Write short notes on any THREE of the following:  
3x5=15
- a) Insulin
  - b) Local anesthetics
  - c) Anti-emetics
  - d) Iron supplements
  - e) Nitroglycerine
-

6. Write brief answers of the following:  $5 \times 2 = 10$

- a) What is a vaccine? Give two examples.
- b) Name two drugs used for tuberculosis.
- c) Name two drugs used for hypertension.
- d) Name two drugs used for diabetes mellitus.
- e) Name two drugs used for pain relief.

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

3. Write any ONE of the following:  $1 \times 10 = 10$
- a) Define inflammation. Discuss the stages and types of inflammation with examples.
  - b) Define shock. Discuss the types, causes, pathophysiology and management of shock.
4. Write short notes on any TWO of the following:  
 $2 \times 5 = 10$
- a) Anemia
  - b) Edema
  - c) Gangrene
  - d) Congenital heart disease
5. Write brief answers of the following:  $3 \times 2 = 6$

- a) What is diabetes mellitus?
- b) Name two congenital disorders.
- c) Name two chromosomal abnormalities.

## **GENETICS - 12 Marks**

1. Write short notes on any TWO of the following  $2 \times 4 = 8$ 
  - a) Mendel's laws of inheritance
  - b) Autosomal dominant disorders
  - c) Sex linked disorders
  - d) Genetic counseling
2. Write brief answers of the following:  $2 \times 2 = 4$ 
  - a) Mention four autosomal recessive disorders.
  - b) Mention four autosomal dominant disorders.

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