



**BRAINWARE UNIVERSITY**  
**Term End Annual Examination 2021 – 22**  
**Programme – Bachelor of Science in Nursing**  
**Course Name – Pharmacology Pathology & Genetics**  
**Course Code – BNS202**  
 (Year – II)

**Time allotted: 3 hrs.**

**Full Marks: 75**

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable. Write answer of Section – A and Section –B in separate Answer booklet.]

**Section – A**

1. **Write short notes on any three of the followings:** **5 x 3 = 15**
  - a) Half life
  - b) Nursing responsibilities during administration of drug.
  - c) Aspirin is contraindicated in peptic ulcer disease.
  - d) Explain about the pantoprazole
  
2. **Write short answer type questions on any one of the followings:** **10x1 = 10**
  - a) Classify the hypertensive drugs. Discuss the mechanism of action and adverse effects of beta adrenergic blocking agents **[4+6]**
  - b) Classify the anti-tuberculosis drugs. Write the mechanism of action indication, contraindication and nurses responsibilities of Rifampicin **[5+5]**
  
3. **Write long answer type questions on any one of the followings:** **15x1 = 15**
  - a) Define diuretics and classify it. Write in detail about high efficacy diuretics. Explain in detail about osmotic diuretics. **[5+5+5]**
  - b) Write down the factors affecting the drug action. Mention the adverse reactions of drugs. Explain about rational use of drugs **[5+5+5]**

**Section –B**

4. Write short notes on any four from the followings:

5x4 = 20

- a) Write short notes on erythropoiesis?
- b) Write Different types of anemia?
- c) Mention differences between mitosis and meiosis.
- d) Write short note on teratogenicity.
- e) Write short note on genetic counselling

5. Write long answer type questions on any *one* of the following:

15x 1 = 15

a) Define Neoplasia. What are the difference between a benign and malignant neoplasm? What are the different routes through which malignant neoplasm spreads? [4+6+5]

b) What is Proteinuria? What are the causes of Proteinuria? How you will diagnose a case of Proteinuria? [2+7+6]