

**SECTION – C (GENETICS)**

(12-MARKS)

**Q-1. Multiple Choice Question: -**

(3x1=3)

- i. Down's syndrome occurs due to:
- a) Trisomy 15
  - b) Trisomy 21
  - c) Trisomy 18
  - d) Trisomy 23
- ii. Mendel did his experiments on which plant?
- a) Pea Plant
  - b) Dog
  - c) Neem Plant
  - d) Cat
- iii. Syphilis is a:
- a) Viral Infection
  - b) Parasite Infection
  - c) Fungal Infection
  - d) Bacterial Infection

**Q-2 Short type Question: - (ANY ONE)**

(1x5=5)

- a) Explain various types of gene mutations.
- b) Explain characteristics of cancer cells.

**Q -3 Very Short type Question: - (ANY TWO)**

(2x2=4)

- a) Sickle cell anaemia
- b) Amniocentesis
- c) Sex determination in human beings

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**ARKA JAIN  
University**  
Jharkhand



**End Semester University Examination - January - 2026**

**Subject** : Pharmacology (I &II) & Pathology (I &II) including Genetics

**Program** : B. Sc. Nursing

**Semester:** IV

**Full Marks** : 75

**Time** : 3 Hours

**Instructions to the Candidates:**

- Read the question paper very carefully.
- Start writing from 2nd page onwards; **don't write on the 1st Page Backside.**
- Do not write anything except your Roll No. on the question paper.
- Possession of **Mobile Phones** or any kind of **Written Material, Arguments with the Invigilator or Discussing with Co-Student** will come under **Unfair Means** and will **Result in the Cancellation of the Papers.**

**SECTION – A (PHARMACOLOGY)**

(38-MARKS)

**Q-1. Multiple Choice Question: -**

(7x1=7)

- i. Dose of ketoconazole in pruritis:
- a) Orally 200 mg/day for 4 week
  - b) Parentally 200 mg/day for 4 week
  - c) Orally 100 mg/day for a week
  - d) Orally 200 mg/day for 6 week
- ii. Indication for boric spirit drop
- a) Keratitis
  - b) Conjunctivitis
  - c) Chronic supportive otitis media
  - d) Rhinitis
- iii. Atenolol is an example of:
- a) Beta adrenergic blockers
  - b) Alpha adrenergic blockers
  - c) ACE Inhibitors
  - d) Digitalis

- iv. Potassium -sparing diuretic include:
- Triamterene
  - Spironolactone
  - Amiloride
  - Bumetanide
- v. Which of the following is not a part of bronchodilator?
- Beta adrenergic agonist
  - Anticholinergic
  - Methylxanthine
  - Antihistamine
- vi. Glutaraldehyde is an example of:
- High level disinfectant
  - Low level disinfectant
  - Intermediate level disinfectant
  - None of these
- vii. Which of the following is a non-steroid form of estrogen?
- Diethylstilbestrol
  - Ethinylestradiol
  - Mestranol
  - Tibolone

**Q-2 Essay type Question: - (ANY ONE) (1x10=10)**

- Define local anaesthetic and write the mechanism of action, preparations and uses of lignocaine (Xylocaine).
- Describe about the classification of antidepressant drugs, its mechanism of action, side effects and adverse drugs reactions (ADRs).

(OR)

**Q.3) Write short notes on :- (ANY THREE) (3x5=15)**

- Explain the mechanism of action of calcium channel blockers.
- Classify antimalarial drugs with examples.
- Write the drugs used in shock patient.
- Discuss the mechanism of action of methadone.

**Q.4) Write very short notes on: - (ANY THREE) (3x2=6)**

- Enumerate the drugs used to treat urinary retention.
- What are the Nurses responsibilities in administration of penicillin?
- Write the name of proton pump Inhibitors drugs.

- Enlist adverse effect of chlorpromazine.

**SECTION - B (PATHOLOGY)**

**(25-MARKS)**

**Q-1. Multiple Choice Question: - (4x1=4)**

- During bacterial meningitis glucose in CSF:
  - Increase
  - Decrease
  - Usually remains unaffected
  - May be increase or decrease
- Which is the most common type of necrosis?
  - Coagulative necrosis
  - Liquefactive necrosis
  - Caseous necrosis
  - Fat necrosis
- Following are the examples of primary benign bone tumor except:
  - Osteoid osteoma
  - Osteochondroma
  - Osteoblastoma
  - Ewing's sarcoma

- Which renal calculi are most commonly found in human beings?

- Uric acid
- Glycogen calculi
- Calcium oxalate
- Triple phosphate

**Q-2 Short type Question: -(ANY THREE) (3x5=15)**

- How will you collect CSF specimen? Explain in brief.
- Explain pathogenesis of cell injury.
- Write difference between gastric ulcer and duodenal ulcer.
- Write down about clinical manifestation and pathological changes occurring during stroke?

**Q -3 Very Short type Question: -(ANY THREE) (3x2=6)**

- Metabolic acidosis
- Emphysema
- Endometrial carcinoma
- Abdominal paracentesis



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**Subject** : Adult Health Nursing II with integrated Pathophysiology including Geriatric Nursing and Palliative care Module

**Program** : B. Sc. Nursing

**Full Marks:** 75

**Semester:** IV

**Time** : 3 Hours

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**Q-1. Multiple Choice Question: -**

**(12x1=12)**

- i. A client has a potential conduction problem of both ears. A test is performed that evaluates whether sounds are heard centrally or on one side. This is what type of test?
- A. Weber test  
B. Rinne test  
C. Voice-whisper test  
D. Otitis media
- ii. What is the other name for glaucoma?
- A. Silent killer condition  
B. Silent thief of sight  
C. Silent progressively opaque  
D. Silent pink eye
- iii. The nurse is caring for a patient with acute renal failure. The nurse should expect hypertonic glucose, insulin infusions, and sodium bicarbonate to be used to treat:
- A. Hyponatremia.  
B. Hypercalcemia.  
C. Hypokalaemia.  
D. Hyperkalaemia.

