

# **Rajiv Gandhi University of Health Sciences, Karnataka**

## **IV Semester B. Sc Nursing Degree Examination - 16-Dec-2024**

**Time: Three Hours**

**Max. Marks: 38**

### **PHARMACOLOGY – SECTION – A (RS-6)**

**Q.P. CODE: 1785**

**(QP Contains Two Pages)**

Your answers should be specific to the questions asked

Draw neat, labeled diagrams wherever necessary

**(Note: Both QP Codes 1785 and 1786 are to be answered within total duration of 3 hours)**

#### **LONG ESSAY**

**1 x 10 = 10 Marks**

1. Describe the prescriptive role of a nurse and nurse practitioner

#### **SHORT ESSAYS**

**3 x 5 = 15 Marks**

2. List anti arrhythmic drugs and write the role of a nurse in administering anti arrhythmic drugs
3. What are antileprotic drugs? Write the dosage and side effects of Dapsone.
4. Describe the drugs used in deaddiction.

#### **SHORT ANSWERS**

**3 x 2 = 6 Marks**

5. Name antifungal eardrops. Write their contraindication
6. List four homeopathic medicines.
7. Name the fluid and electrolytes used in the treatment of diarrhoea and dehydration

#### **Multiple Choice Questions**

**7 x 1 = 7 Marks**

8. Formaldehyde is used in
  - A. Skin preparation
  - B. Sterilization of surgical instruments
  - C. Room fumigation
  - D. Mouth wash
9. Which of the following drugs act as a synthetic T4 hormone?
  - A. Levothyroxine
  - B. Metformin
  - C. Cortisone
  - D. Propylthiouracil
10. Topical application of steroid is **NOT** contraindicated in
  - A. Scabies
  - B. Psoriasis
  - C. Herpes
  - D. Chicken pox
11. Which of the following local anesthetic agent has shorter duration of action?
  - A. Lidocaine
  - B. Procaine
  - C. Bupivacaine
  - D. Ropivacaine

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12. The effect of estrogen on cervix is
- A. Proliferation
  - B. Thickening
  - C. Watery secretion
  - D. Granulation
13. Recommended dose of Iron and folic acid in pregnancy:
- A. Iron 100mg elemental iron and folic acid 500mg
  - B. Iron 500mg elemental iron and folic acid 50mg
  - C. Iron 250mg elemental iron and folic acid 100mg
  - D. Iron 100mg elemental iron and folic acid 250mg
14. Pancha Mahabhutas is related to which system of Indian medicine:
- A. Siddha
  - B. Unani
  - C. Naturopathy
  - D. Ayurveda

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## **IV Semester B. Sc Nursing Degree Examination - 16-Dec-2024**

**Time: Three Hours**

**Max. Marks: 37**

### **PATHOLOGY AND GENETICS**

**Q.P. CODE: 1786**

**(QP Contains Two Pages)**

Your answers should be specific to the questions asked

Draw neat, labeled diagrams wherever necessary

**(Note: Both Section B & C to be answered in the same booklet)**

### **PATHOLOGY – SECTION – B (25 marks)**

#### **SHORT ESSAYS**

**3 x 5 = 15 Marks**

1. Describe cell injury. Compare pathogenesis of reversible and irreversible cell injury
2. Explain the pathological changes of pulmonary tuberculosis and its manifestation
3. Describe the steps in estimation of blood haemoglobin using Sahli's method

#### **SHORT ANSWERS**

**3 x 2 = 6 Marks**

4. Define ischemia
5. Define glomerulonephritis
6. Write pathogenesis of Carcinoma of Cervix

#### **Multiple Choice Questions**

**4 x 1 = 4 Marks**

7. ABO blood group system of human blood is identified by
  - A. Clotting factors in plasma
  - B. Microscopic examination of white blood cells
  - C. Antigen-antibody reactions
  - D. Series of enzyme-controlled reactions
8. Localized area of suppurative necrosis within the pulmonary parenchyma refers to
  - A. Pneumonia
  - B. Bronchiectasis
  - C. Emphysema
  - D. Lung Abscess
9. The primary intervention required for the lump in the breast is to
  - A. Administer chemotherapy
  - B. Diagnose the type of tumour
  - C. Perform surgery
  - D. Provide emotional support to patient
10. Sputum culture test is performed to
  - A. Determine the presence of blood in sputum
  - B. Identify the type of microorganisms
  - C. Assess lung function
  - D. Measure oxygen level in the blood

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## **GENETICS – SECTION – C (12 marks)**

### **SHORT ESSAYS**

**1 x 5 = 5 Marks**

11. Define down syndrome and describe the clinical features

### **SHORT ANSWERS**

**2 x 2 = 4 Marks**

12. Define sporadic cancer  
13. Enlist common types of mutation

### **Multiple Choice Questions**

**3 x 1 = 3 Marks**

14. Which of the following is **NOT** a characteristic of genes?  
A. They determine physical traits  
B. They are composed of DNA  
C. They are present only in humans  
D. They can be passed from parents to offspring
15. The chromosomal abnormality associated with Edwards syndrome is  
A. Trisomy 18  
B. Trisomy 21  
C. Monosomy X  
D. Trisomy 13
16. Amniocentesis is performed between the approximate gestational age between  
A. 5-10 weeks  
B. 10-15 weeks  
C. 16-20 weeks  
D. 21-26 weeks

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## **IV Semester B. Sc Nursing Degree Examination - 18-Dec-2024**

**Time: Three Hours**

**Max. Marks: 75**

### **ADULT HEALTH NURSING II**

**Q.P. CODE: 1787**

**(QP Contains Three Pages)**

Your answers should be specific to the questions asked

Draw neat, labeled diagrams wherever necessary

#### **LONG ESSAY**

**2 x 15 = 30 Marks**

1. Mr. X, a 55-year-old man, after experiencing hearing difficulty in both ears, sought an ENT consultation. He was found not to be deaf following investigations.
  - a) Define deafness.
  - b) List the etiological factors of deafness.
  - c) Compare between Weber's and Rinne's Test .
  - d) Prepare health education plan for patients prescribed hearing aids.
2. Mrs. Y, 70 year old female came to the hospital with burning pain on the left lingual margin area for 5 years. Cytology and biopsy revealed oral squamous cell carcinoma.
  - a) List the causes of Cancer of Oral Cavity.
  - b) Explain the surgical management for Cancer of Oral Cavity.
  - c) Discuss the palliative nursing care of Mrs. Y.

#### **SHORT ESSAYS**

**5 x 5 = 25 Marks**

3. Briefly explain the assessment of eye in respect to visual acuity, extra ocular muscle functions and pupil function.
4. Define Nephrotic Syndrome.  
Discuss the nursing management of patient with nephrotic syndrome.
5. Describe the nursing care for a patient admitted to the emergency ward with 30 percentage burns.
6. List the signs and symptoms of Herniated Disc. Discuss nursing management of patient with herniated disc.
7. Explain about National AIDS Control Programme.

#### **SHORT ANSWERS**

**4 x 2 = 8 Marks**

8. Define Meniere's disease.
9. Name four symptoms of Orchitis.
10. Define opportunistic disease.
11. Differentiate between hyperventilation and hypoventilation.

#### **Multiple Choice Questions**

**12 x 1 = 12 Marks**

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12. Congestion and occlusion within the Eustachian tube is seen in which stage of otitis media
  - A. Catarrhal stage
  - B. Exudation
  - C. Suppuration
  - D. Healing stage
13. The eye condition in which the close objects appear are clear and far objects appear blurred is known as
  - A. Presbyopia
  - B. Astigmatism
  - C. Hyperopia
  - D. Myopia
14. During the oliguric phase of ARF, the patient experiences
  - A. Hypotension
  - B. Increased urine output
  - C. Hyperkalemia
  - D. Pulmonary edema
15. The most common viral etiology of orchitis is
  - A. Klebsiella
  - B. Mumps virus
  - C. HIV
  - D. Herpes simplex
16. The immediate action a nurse should implement after stopping the burn process is
  - A. Airway maintenance
  - B. Flush the burn site continuously
  - C. Assess the skin color and condition
  - D. Monitor vital signs
17. The exhibition of Brudzinski's sign by the patient indicates
  - A. Encephalitis
  - B. Bacterial meningitis
  - C. Spinal cord injury
  - D. Parasitis menigitis
18. The most common malignancy occurred as a complication of AIDS is
  - A. Kaposi's sarcoma
  - B. Liver cancer
  - C. Pancreatic cancer
  - D. Stomach cancer
19. When leukopenia is found in a radiation therapy patient's blood result, the nurse should
  - A. Assess the signs of infection
  - B. Monitor platelet count
  - C. Monitor diet pattern including fluid intake
  - D. Monitor weight on daily basis
20. The recommended procedure for opening the airway of an unconscious patient with a possible spinal cord injury is
  - A. Head tilt chin lift maneuver
  - B. Jaw thrust maneuver
  - C. Using forefinger to clear airway
  - D. Use of bag and mask
21. When an elderly patient is identified with impacted cerumen, the most appropriate treatment option is

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- A. Administration of antibiotics
  - B. Irrigation of ear canal
  - C. Administration of analgesics
  - D. Instillation of ear drops
22. In post cardiac arrest phase, if patient has raised ICP, the priority should be on
- A. Anti ischemic therapy
  - B. Targeted temperature management
  - C. Blood investigation
  - D. Administration of Injection adrenaline
23. An occupational lung disorder caused due to prolonged exposure to cotton fibres is
- A. Black lung disease
  - B. Brown lung disease
  - C. Asbestosis
  - D. Byssinosis

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