

Q.P. CODE: 1786

Rajiv Gandhi University of Health Sciences, Karnataka

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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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
