

Q.P. CODE: 1786

Rajiv Gandhi University of Health Sciences, Karnataka

IV Semester B. Sc Nursing Degree Examination - 24-Jun-2025

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 QP Codes 1785 and 1786 are to be answered within total duration of 3 hours)**(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. Explain the stages of wound healing
2. Detail on the pathological changes & clinical manifestations of typhoid fever
3. List the various methods of hemoglobin estimation & explain any one method in detail

SHORT ANSWERS**3 x 2 = 6 Marks**

4. **Explain the etiopathogenesis of cardiogenic shock**
OR
Explain the etiopathogenesis of atherosclerosis
5. Enumerate the clinical features of Benign Prostate Hypertrophy
6. Enlist the etiology of bronchiectasis

Multiple Choice Questions**4 x 1 = 4 Marks**

7. Bleeding time is prolonged in
 - A. Liver disease
 - B. Leukemia
 - C. Aplastic anemia
 - D. All the above
8. The following pathological changes are noted in bladder mucosa in acute cystitis **EXCEPT**
 - A. Reddish in color
 - B. Swollen
 - C. Greyish blue mucosa
 - D. Suppurative exudate in the mucosa
9. The sign of meningeal irritation is
 - A. Fever
 - B. Nuchal rigidity
 - C. Malaise
 - D. Chills
10. Presence of nitrite in the urine indicates
 - A. Nephrotic syndrome
 - B. Urinary tract infection
 - C. Diabetic ketoacidosis
 - D. Renal calculi

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GENETICS – SECTION – C (12 marks)

SHORT ESSAYS

1 x 5 = 5 Marks

11. List the genetic disorders associated with maternal age and explain Down syndrome

SHORT ANSWERS

2 x 2 = 4 Marks

12. Define Huntington's disease
13. Enumerate the types of gene therapy

Multiple Choice Questions

3 x 1 = 3 Marks

14. The transfer of a chromosome segment to another chromosome is called as
- A. Duplication
 - B. Inversion
 - C. Translocation
 - D. Insertion
15. FISH stands for
- A. First Induced Strand Hybrid
 - B. Fluorescent In Situ hybridization
 - C. F1 Insertion Segment Homolog
 - D. Flanking Insertion Sequence Hybrid
16. The common therapeutic approach for genetic disorder is/are
- A. Promoting excretion of toxins
 - B. Inducing enzymes
 - C. Protecting an environment
 - D. All the above
