

**Rajiv Gandhi University of Health Sciences, Karnataka**  
**II Year B.Sc. Anaesthesia Technology & Operation Theatre Technology**  
**Degree Examination – 05-May-2026**

**Time: Three Hours**

**Max. Marks: 50 Marks**

**Applied Pathology – (Sec A)**  
**Q.P. CODE: 3399**

Your answers should be specific to the questions asked.  
Draw neat labeled diagrams wherever necessary

**(Note: Both QP Codes 3399 and 3400 are to be answered within total duration of 3 hours)**

**LONG ESSAYS (Answer any one)**

**1 x 10 = 10 Marks**

1. Explain the causes, pathogenesis and clinical features of Bronchitis.
2. Define anemia. List the morphological types of anemia. Add a note on Hemolytic anemia.

**SHORT ESSAYS (Answer any five)**

**5 x 5 = 25 Marks**

3. Describe etiopathogenesis of emphysema.
4. Explain briefly about glomerulonephritis.
5. Describe etiopathogenesis of myocardial infarction.
6. Define and classify hypertension. Write briefly about pathological effects of hypertension.
7. Explain briefly about acute renal failure.
8. Describe pneumoconiosis.

**SHORT ANSWER (Answer any five)**

**5 x 3 = 15 Marks**

9. Name six major risk factors of atherosclerosis.
10. Define leukocytosis with examples.
11. Name the laboratory tests for bleeding disorders.
12. List the causes of aneurysm.
13. Classify cardiomyopathy.
14. Draw a neat labelled diagram of Eosinophil.

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