Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.Sc. Respiratory Care Technology Degree Examination – 28-Oct-2026

Time: Three Hours **Max. Marks: 50 Marks**

Applied Pathology (RS-3)

Q.P. CODE: 3396

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary
(Note: Both QP Codes 3396 and 3397 are to be answered within total duration of 3 hours)

LONG ESSAYS (Answer any One) **1 x 10 = 10 Marks**

1. Define Ischemic heart disease. Discuss the etiopathogenesis and pathology of Myocardial Infarction. Enumerate the complications of Myocardial Infarction.

2. Define pneumoconiosis. Discuss in detail pathogenesis and morphological features of Coal-Worker's Pneumoconiosis.

SHORT ESSAYS (Answer any Five) **5 x 5 = 25 Marks**

3. Briefly discuss the pathogenesis and effects of hypertension.
4. List the differences between obstructive and restrictive pulmonary disease.
5. Enumerate the causes of valvular heart diseases. Discuss the morphological features and effects of mitral stenosis.
6. Discuss the etiopathogenesis and morphological features of Emphysema.
7. Hemophilia A.
8. Discuss the laboratory findings of chronic myeloid leukemia.

SHORT ANSWER **5 x 3 = 15 Marks**

9. List the types of Cardiomyopathies.
10. List the secondary causes of Polycythemia.
11. List three causes of Neutrophilia.
12. Enumerate the morphological types of anemia.
13. List three causes of pleural effusion.

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