

**Rajiv Gandhi University of Health Sciences, Karnataka**  
**II Year B.Sc. Respiratory Care Technology Degree Examination – 23-May-2025**

**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. Describe etiopathogenesis, pathology and complications of Emphysema.
2. Discuss the pathology and complications of Heart failure.

**SHORT ESSAYS (Answer any Five)**

**5 x 5 = 25 Marks**

3. Megaloblastic anemia.
4. Acute pericarditis.
5. Pulmonary edema.
6. Coal workers pneumoconiosis.
7. Pulmonary tuberculosis.
8. Cardiomyopathy.

**SHORT ANSWER**

**5 x 3 = 15 Marks**

9. Morphological classification of anaemia.
10. Three causes of Hemolytic Anemia.
11. Transfusion related acute lung injury.
12. Fallot's Tetralogy.
13. Good pasture syndrome.

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