

# Rajiv Gandhi University of Health Sciences, Karnataka

## Second Semester B.Pharm Degree Examination – 24-Oct-2025

**Time: Three Hours**

**Max. Marks: 75**

### **PATHOPHYSIOLOGY**

**Q.P. CODE: 5008**

Your answers should be specific to the questions asked

Draw neat labeled diagrams wherever necessary

All the questions are compulsory

#### **LONG ESSAYS**

**2 x 10 = 20 Marks**

1. Define Inflammation. Explain the various cellular events in acute inflammation.  
**OR**  
Explain the etiology and pathogenesis of Asthma.
2. Define and classify Diabetes Mellitus. Explain the pathophysiology of Diabetes Mellitus.

#### **SHORT ESSAYS**

**7 x 5 = 35 Marks**

3. Explain the pathogenesis of reversible cell injury.  
**OR**  
Explain the pathogenesis and clinical symptoms of chronic obstructive pulmonary disease.
4. Define and classify cancer. Explain pathogenesis of Cancer by physical agents.  
**OR**  
Define chemical mediators. Explain in detail on cell derived chemical mediators.
5. Define peptic ulcer? Explain the etiology and complications of Peptic Ulcer.
6. Explain the role of Vitamin B12 and Folic acid in Megaloblastic Anemia.
7. Explain the pathogenesis, sign and symptoms of Alzheimer's Disease.
8. Draw a neat labelled diagram of HIV. Explain the pathogenesis of HIV.
9. Explain the causative agent, signs and symptoms of Meningitis and Typhoid.

#### **SHORT ANSWERS**

**10 x 2 = 20 Marks**

10. Differentiate between Necrosis and Apoptosis.
11. Mention the factors affecting Wound Healing.
12. Define Acidosis and Alkalosis.
13. Define and classify Angina Pectoris.
14. What is Stroke and anemia?
15. Write any two differences between Rheumatoid Arthritis and Osteoporosis.
16. Mention the sign and symptoms of Jaundice.
17. Explain the complications of Leprosy.
18. Name the causative organism of Syphilis and Gonorrhea.
19. Mention the different modes of transmission of Urinary Tract Infections.

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