

# Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.Pharm Degree Examination – Aug / Sep 2011

**Time: Three Hours**

**Max. Marks: 80 Marks**

## PATHOPHYSIOLOGY (RS - 2)

**Q.P. CODE: 1958**

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

### LONG ESSAYS (Answer any Two)

**2 x 10 = 20 Marks**

1. What is hypersensitivity reactions? Explain type I hypersensitivity.
2. Explain the general biology of tumor.
3. Enumerate the different chemical mediators and their role in the pathogenesis of acute inflammation.

### SHORT ESSAYS (Answer any Eight)

**8 x 5 = 40 Marks**

4. Explain the biological effects of ionizing radiation.
5. Write a note on wound healing.
6. Explain the mechanisms of allograft rejection.
7. Explain the pathogenesis of hypovolaemic shock.
8. Write the mechanism of development of immune tolerance.
9. Explain the different types of cellular adaptations.
10. Describe the pathogenesis of HIV.
11. Describe the pathogenesis of hypertension.
12. Explain clinical symptoms and the types of angina.
13. Distinguish between Marasmus and Kwashiorkor's disease.

### SHORT ANSWERS

**10 x 2 = 20 Marks**

14. What is glycogenoses?
15. Write two differences between T and B cells.
16. What is amoebiasis?
17. Name the types of COPD.
18. Write the role of LDL and HDL.
19. Write two histological diagnostic tests of cancer.
20. Define IBD. Give two examples.
21. What is etiology? Write its significance.
22. Name two systemic autoimmune diseases.
23. Write the characteristic features of Acute renal failure.