



**Rajiv Gandhi University of Health Sciences, Karnataka**  
**II Year Pharm-D Degree Examination – 03-Jan-2020**

**Time: Three Hours**

**Max. Marks: 70 Marks**

**PATHOPHYSIOLOGY (RS & RS2)**

**Q.P. CODE: 2856**

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. List out various types of hypersensitivity and explain type I and type II reactions.
2. Explain in detail the etiology and pathogenesis of reversible cell injury.
3. Define diabetes mellitus. Discuss in detail pathophysiology and complications of diabetes mellitus.

**SHORT ESSAYS (Answer Any Six)**

**6 x 5 = 30 Marks**

4. Explain pathogenesis of shock.
5. Difference between benign and malignant tumour.
6. Write pathogenesis of congestive cardiac failure.
7. Explain the biological effects radiation.
8. Explain pathogenesis and symptoms of pneumonia.
9. Explain allograft rejection.
10. Discuss clinical symptoms and pathogenesis of diarrhoea and dysentery.
11. Describe outdoor air pollution.

**SHORT ANSWERS**

**10 x 2 = 20 Marks**

12. Add a note on tumour markers.
13. Etiological factors of chronic renal failure.
14. Add a note on edema.
15. Write a note on Kwashiorkor's disease.
16. What are the significance of MHC proteins?
17. Angiogenesis.
18. Causative agent and symptoms of tuberculosis.
19. What are the causes of obesity?
20. Metaplasia and dysplasia.
21. Define lipoproteins. Give two examples.

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