



## Rajiv Gandhi University of Health Sciences, Karnataka

II Year Pharm-D Degree Examination – NOV-2017

**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. Define hypertension. Discuss the pathogenesis of essential hypertension.
2. What are the different types of hypersensitivity reactions? Describe the Type I hypersensitivity reaction.
3. What are cellular adaptations? Explain with examples.

#### **SHORT ESSAYS (Answer Any Six)**

**6 x 5 = 30 Marks**

4. Explain the etiology, pathogenesis, signs and symptoms of Malaria.
5. What is healing by Granulation tissue formation?
6. Classify malignant tumours
7. Write the mechanism of free radicals induced cell injury.
8. Define hyperlipidemia and discuss the types of hyperlipidemic diseases.
9. Describe the physiological and pathological significance of prostaglandins.
10. Explain the pathogenesis of Tuberculosis.
11. Describe the pathogenesis of type 2-diabetes mellitus.

#### **SHORT ANSWERS**

**10 x 2 = 20 Marks**

12. What is CCF?
13. Mention the toxic effects of radiations.
14. Give two examples each for direct and indirect acting carcinogens.
15. Mention any two human cancers and its associated viral infection in etiology.
16. Define shock, Mention the types of shock
17. Enlist Air pollutants and its effects.
18. What is Tumor? Classify
19. What is Gierke's disease?
20. Name the causative agent, mode of transmission, signs and symptoms for Typhoid.
21. Enlist Water soluble vitamins.

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