

**Rajiv Gandhi University of Health Sciences, Karnataka**  
**MBBS Phase – II Degree Examination - 30-Jan-2024**

**Time: Three Hours**

**Max. Marks: 100**

**PATHOLOGY – PAPER I (RS-3)**

**Q.P. CODE: 1081**

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

**LONG ESSAYS**

**2 x 10 = 20 Marks**

1. a) Define Necrosis  
b) Describe the various types of necrosis with suitable examples  
c) How does it differ from Apoptosis?
2. a) Define Anemia  
b) Classify anemias according to aetiology  
c) Discuss the morphology and lab diagnosis of Iron deficiency anemia

**SHORT ESSAYS**

**10 x 5 = 50 Marks**

3. Paraneoplastic syndromes
4. Septic shock
5. Amyloidosis
6. Pathogenesis of acquired immunodeficiency syndrome
7. Hereditary spherocytosis
8. Oncogenes
9. Chemical mediators of inflammation
10. Klinefelter syndrome
11. Type IV hypersensitivity
12. Hemophilia A

**SHORT ANSWERS**

**10 x 3 = 30 Marks**

13. Peripheral smear and bone marrow findings in Aplastic anemia
14. Name two fixatives and two stains used in cytology
15. Name the transfusion transmitted diseases
16. Name three indications for bone marrow aspiration
17. Urinary cast
18. What is Frozen section? Mention its advantages
19. L.E Cell

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20. Principle of benedicts test and its advantages
21. Enumerate the causes of thrombocytopenia
22. Three disadvantages of Sahli's Hb estimation

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