

**Rajiv Gandhi University of Health Sciences, Karnataka**  
**II Year B.Sc. Nursing Degree Examination – 01-Mar-2023**

**Time: Three Hours**

**Max. Marks: 37 Marks**

**PATHOLOGY AND GENETICS**  
**(RS-2, RS-3, RS-4 & RS-5)**  
**Q.P. Code: 1763**

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary. Answer All Questions

**(Note : Both QP Codes 1762 and 1763 are to be answered within total duration of 3 hours)**

**LONG ESSAYS**

**1 x 10 = 10 Marks**

1. Explain the etio-pathophysiology and clinical features of Rheumatic Heart Disease.

**SHORT ESSAYS**

**3 x 5 = 15 Marks**

2. Explain the forms of cell adaptation after injury.
3. Explain the method of testing for Blood Group detection.
4. Explain the methods of collection of urine.

**GENETICS (12 Marks)**

**SHORT ANSWERS**

**6 x 2 = 12 Marks**

5. Name the four phases of Mitosis.
6. Name four prenatal diagnostic measures.
7. Define Down's syndrome
8. Name any one inherited cancer and the respective gene responsible for it.
9. Name any two methods of Somatic Gene therapy.
10. Define Positive Eugenics.

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