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**Rajiv Gandhi University of Health Sciences, Karnataka**  
I Year B.Sc. (M.L.T) Degree Examination – Aug 2013

**Time: 3 Hours**

**Max. Marks: 40 Marks**

**Physiology**  
**Q.P. Code : 1602**

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

**(Note : Both QP Codes 1602 and 1603 are to be answered within total duration of 3 hours)**

**LONG ESSAYS (Answer any One)**

**1 x 10 = 10 Marks**

1. Explain the various stages erythropoiesis. Enumerate the factors affecting it
2. Describe the physiological actions of growth hormone on the body. Add a note on gigantism

**SHORT ESSAYS (Answer any Four)**

**4 x 5 = 20 Marks**

3. Trace the pathway for pain
4. Tabulate the differences between the I and II heart sounds
5. Define immunity. Briefly describe the types of immunity
6. Juxta glomerular apparatus
7. Briefly describe the phases of gastric juice secretion

**SHORT ANSWERS**

**5 x 2 = 10 Marks**

8. Enumerate any four the functions of skin
9. Draw a spirogram showing the lung volumes and capacities
10. Define cyanosis
11. Draw the diagram of a nephron and label its parts
12. Define arterial blood pressure giving normal values

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