

**Rajiv Gandhi University of Health Sciences, Karnataka**  
**I B.D.S Degree Examination - Dec-2014**

**Time: Three Hours**

**Max. Marks: 60 Marks**

**HUMAN PHYSIOLOGY**

**Q.P. CODE: 1152**

Your answers should be specific to the questions asked

Draw neat, labeled diagrams wherever necessary

**(Note: Both QP Codes 1152 and 1153 are to be, answered within total duration of three hours)**

**LONG ESSAYS**

**1 x 10 = 10 Marks**

1. Define Cardiac Output. Give the normal values. Explain the factors regulating Cardiac Output.

**SHORT ESSAYS**

**7 x 5 = 35 Marks**

2. Spermatogenesis
3. Explain any five properties of Synapse.
4. Describe the intrinsic pathway of coagulation. Name two anticoagulants.
5. Enumerate the functions of Thyroid hormones.
6. Steps of Deglutition
7. Micturition reflex
8. Vital capacity

**SHORT ANSWERS**

**5 x 3 = 15 Marks**

9. Define Landsteiner's Law.
10. Hormones of Adrenal cortex
11. Light reflexes
12. Refractory period
13. Action potential in skeletal muscle

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