

**Rajiv Gandhi University of Health Sciences, Karnataka**  
**I Year B.Sc. Optometry Degree Examination - 14-Dec-2022**

**Time: Three Hours**

**Max. Marks: 100 Marks**

**GENERAL ANATOMY AND GENERAL PHYSIOLOGY (RS-4)**  
**Section B: GENERAL PHYSIOLOGY- (50 Marks)**  
**Q.P. CODE: 3342**

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

**(Note: Both QP Codes 3341 and 3342 are to be answered within total duration of 3 hours)**

**LONG ESSAYS (First Question Choice)**

**1 x 10 = 10 Marks**

1. Using neat, labelled diagram. Explain the various stages of erythropoiesis. Add a note on factors affecting erythropoiesis.

**Or**

Enumerate the hormones of the anterior pituitary gland, explain the detail the action of Growth Hormone.

**SHORT ESSAYS (Question No 5 choice)**

**5 x 5 = 25 Marks**

2. Functions of Basal Ganglia.
3. Contraceptive methods in Males.
4. Define blood pressure. Describe short term regulation of blood pressure.
5. Oxygen dissociation curve.

**Or**

With labelled diagram explain the parts of the conducting system of the heart.

6. Coronary circulation.

**SHORT ANSWER (Question No. 10 choice)**

**5 x 3 = 15 Marks**

7. Hypoxia.
8. Anaemia.
9. Functions of Saliva.
10. Draw and label the parts of a Nephron.

**Or**

Refractive errors of the eye.

11. Myasthenia Gravis.

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