

# Rajiv Gandhi University of Health Sciences, Karnataka

## I Year B.N.Y.S Degree Examination - APRIL 2015

Time: Three Hours

Max. Marks: 80 Marks

### PHYSIOLOGY – PAPER I

**Q.P. CODE: 2503**

Your answers should be specific to the questions asked

Draw neat, labeled diagrams wherever necessary

#### LONG ESSAYS

**2 x 10 = 20 Marks**

1. Describe neural regulation of respiration. Add a note on central chemoreceptors.
2. Describe blood group system. Add a note on Rh incompatibility.

#### SHORT ESSAYS

**8 x 5 = 40 Marks**

3. Describe active transport mechanism.
4. Define vital capacity. Explain variations and method of measurement.
5. Explain structure and function of platelets.
6. Describe first and second heart sound.
7. Define jaundice and explain its classification.
8. Describe acclimatization.
9. Explain conductive system of heart.
10. Explain structure and function of hemoglobin.

#### SHORT ANSWERS

**10 x 2 = 20 Marks**

11. Homeostasis
12. Neutrophil
13. Hemophilia
14. Cyanosis
15. Bleeding time
16. P wave of ECG
17. Endoplasmic reticulum
18. Lung compliance
19. Clotting factors
20. Tidal volume

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