

# Rajiv Gandhi University of Health Sciences, Karnataka

## MBBS Phase – I Degree Examination - OCT-2019

**Time: Three Hours****Max. Marks: 100 Marks****PHYSIOLOGY – PAPER I (RS2 & RS3)****Q.P. CODE: 1077**

Your answers should be specific to the questions asked.

Draw neat, labeled diagrams wherever necessary.

**LONG ESSAYS****2 x 10 = 20 Marks**

1. Describe oxygen transport in detail. Add a note on acclimatization.
2. Describe in detail how urine is concentrated in the kidney. Add a note on renal function tests.

**SHORT ESSAYS****10 x 5 = 50 Marks**

3. Draw a schematic diagram to show the intrinsic pathway of blood clotting. Add a note on bleeding time.
4. Frank-Starling's law of heart
5. Anticoagulants and their mode of action
6. Digestion and absorption of Proteins
7. Chylomicron
8. Defecation reflex
9. Draw and explain a Spirogram
10. Refractory period in Heart muscle
11. What is the normal P-R interval? What is its significance?
12. Describe the functions of platelets.

**SHORT ANSWERS****10 x 3 = 30 Marks**

13. Phagocytosis
14. Autorhythmicity
15. Mismatched blood transfusion
16. Dead space
17. Tubuloglomerular feedback
18. Composition and functions of bile
19. All or none law in Heart
20. Apoptosis
21. Juxtaglomerular apparatus
22. Gastric phase of gastric juice secretion

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