

# Rajiv Gandhi University of Health Sciences, Karnataka

**MBBS Phase – I Degree Examination - SEP-2018****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 the 4 various stages of Erythropoiesis and factors regulating it.
2. Name the lead systems used in ECG. Describe a normal ECG.

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

3. Describe the intercellular junctions.
4. Features of renal circulation
5. Chemical composition and functions of respiratory surfactant
6. Functions of Kidney
7. Properties of Cardiac muscle
8. Functions of Plasma Proteins
9. Physiological dead space
10. Deglutition
11. R-R interval and its significance
12. Body fluid compartments

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

13. Vital capacity
14. Juxta medullary nephron
15. Sickle cell anemia
16. Refractory period of cardiac muscle
17. Dietary fibre
18. Decompression sickness
19. Glucose reabsorption curve in Renal Tubules
20. Chloride shift
21. Renal clearance
22. Purpura

\*\*\*\*\*