

Rajiv Gandhi University of Health Sciences, Karnataka

MBBS Phase – I Degree Examination - JUNE-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. Define Cardiac output. Describe the various factors regulating cardiac output.
2. Describe the role of counter current mechanism in kidney function.

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

3. Micturition reflex
4. Functions of plasma proteins
5. Surfactant
6. Movements of small proteins
7. Regulation of GFR
8. Deglutition
9. Sodium – potassium pump
10. Juxta medullary nephron
11. Rh factor and its importance
12. Periodic breathing

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

13. Ventilation – perfusion ratio
14. Tubular maximum for Glucose (Tm G)
15. Anticoagulants
16. P-R interval
17. Functions of Gastrin
18. Heart sounds
19. Dietary fiber
20. Facilitated diffusion
21. Morphological classification of anemias
22. Gap junctions
