

QP. CODE: MB2019105**KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES****WARANGAL, TELANGANA STATE-506 002****MBBS FIRST YEAR EXAMINATIONS: FEBRUARY, 2023****PHYSIOLOGY PAPER I****Time: 3 Hours****Max Marks: 100****Note: Answer all questions.****Give Diagrammatic representation whenever necessary**

Write an essay on the following:**2x15=30**

1. In an apparently healthy 18-year-old female, the average resting blood pressure of three measurements is 106/70 mm Hg. Pulse rate is 75/min and rhythm is regular. S1 and S2 are normal and there are no additional heart sounds or murmurs. What is her mean arterial blood pressure? Mention and describe various regulatory mechanisms of BP. (2+5+3+5)
2. A forty-five-year male patient is having Hypoxia. Define hypoxia. Describe in detail about different types of Hypoxia, symptoms and treatment of Hypoxia. (3+3+9)

Write a Short Essays on the Following:**8x5=40**

3. Rh factor and its significance
4. Platelet Function
5. Deglutition
6. Timed Vital Capacity - Define & significance.

7. Non respiratory functions of lung.
8. Role of physician in community.
9. Differences between two types of Nephrons.
10. Artificial Kidney.

Write briefly on the following:

10X3=30

11. PR interval.
12. factors affecting Venous return.
13. Endocytosis.
14. Physiological significance of Surfactant.
15. GFR and factors influencing
16. Enterokinase.
17. Sham feeding.
18. Synthetic anticoagulants.
19. Simple diffusion.
20. Cardiac index.
