



RAE-9047

Seat No. _____

M. D. (Branch - 8) Examination

March - 2019

Physiology : Paper - 1

*(Principles of Biochemistry & Biophysics Applied to
Physiology, Comparative Physiology & History of Physiology)*

Time : 3 Hours]

[Total Marks : 100

Instructions :

- (1) All questions are compulsory.
- (2) Write legibly and to the point.

- 1 Describe the role of potassium in health and disease. **20**
- 2 Discuss the metabolic disorders related to absorption, **20**
assimilation and storage of carbohydrates.
- 3 Explain the evolution of motor system. **20**
- 4 Discuss the various situations that lead to disturbances **20**
in the acid base balance. Also mention the homeostatic
mechanisms that correct those disturbances.
- 5 Explain the contributions of the following to Physiological **20**
research.
 - (a) Hans Berger
 - (b) Ivan Pavlov