

QP Code:103114

Reg. No.:.....

**PG Degree Regular/Supplementary Examinations in Physiology
(MD) May 2021**

Paper III - Physiological Chemistry, Biophysics and Radiation Biology

Time: 3 hrs

Max marks:100

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essay:

(20)

1. Discuss the molecular basis of skeletal muscle excitation-contraction coupling in detail.

Short essays:

(8x10=80)

2. Visual evoked potential
3. EEG waves
4. Endogenous opioid systems
5. Weber Fechner law
6. Physiological principle of artificial respiration
7. Hyperbaric oxygen therapy
8. Reactive oxygen species
9. Propagation of electrical impulse in conducting system of heart
