



RAH-9075

Seat No. _____

M. D. (Branch. 8) (Physiology) Examination

March / April – 2019

Physiology : Paper - III

*(General & Systemic Physiology of following System:
Nervous System, Endocrines, Special Senses, Reproduction
& Muscle & Nerve)*

Time : 3 Hours]

[Total Marks : 100

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

- 1 Define sleep. Write the types, genesis, EEG changes and disorders of sleep. **20**
- 2 Explain the hormonal and other changes that occur at puberty. Also mention its applied aspects. **20**
- 3 Compare and contrast the excitation- contraction coupling in a skeletal, cardiac and smooth muscles. **20**
- 4 Describe the hormonal regulation of calcium level in the body with a note on its applied aspects. **20**
- 5 Write notes on : **20**
 - (a) Electrophysiology of hearing
 - (b) Female sexual cycles