

**Rajiv Gandhi University of Health Sciences, Karnataka**  
**M.D. Degree Examination - 12-Nov-2019**

**Time: Three Hours**

**Max. Marks: 100 Marks**

**PHYSIOLOGY - PAPER – I**  
**Q.P. CODE: 7415**

Your answers should be specific to the questions asked.  
Draw neat labeled diagrams wherever necessary.

**Answer All The Questions**

**10 X 10 = 100 Marks**

1. Apoptosis.
2. Signal transduction.
3. Active transport mechanism.
4. Physiology of Aging.
5. Development of Gastrointestinal system.
6. Contributions of B K Anand.
7. Cytoskeleton and molecular motors.
8. Explain the factors that determine the rate of diffusion of substances across the cell membrane.
9. Regulation of Protein synthesis.
10. Explain biphasic and compound action potential.

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