

# Rajiv Gandhi University of Health Sciences

## M.D. Degree Examination – 12-Nov-2019

**[Time: 3 Hours]****[Max. Marks: 100]****GENERAL MEDICINE****PAPER I****Q.P. CODE: 9181**

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. Autophagy mechanism in health and disease.
2. Cloning principle and methods.
3. Flow cytometry principle and application.
4. Coagulation cascade.
5. DNA replication.
6. Complement pathway, functions and regulation.
7. Autosomal inherited diseases.
8. Muscular dystrophies genetics, pathogenesis and clinical implications.
9. Downs syndrome genetic mechanism, risk factors and clinical features.
10. Cell cycle and regulation.

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