

**Rajiv Gandhi University of Health Sciences, Karnataka**  
**M.D. Degree Examination – 25-Nov-2020**

**Time: Three Hours**

**Max. Marks: 100 Marks**

**BIOCHEMISTRY- PAPER – IV**  
**(RS-2/RS-3)**  
**Clinical Biochemistry**  
**Q. P. CODE: 7318**

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. Discuss about Preanalytical variables.
2. Principle, instrumentation, clinical applications of Chemiluminescence.
3. Different types of electrophoresis. Explain Capillary electrophoresis in detail.
4. Cardiac markers and clinical significance
5. Complications of Diabetes. How will you investigate a case of Diabetes mellitus?
6. Separation of lipoproteins and Hyperlipoproteinemias
7. Discuss a case of chronic renal failure. Add a note on Haemodialysis.
8. Metabolic acidosis and its compensatory mechanisms
9. Point of care testing
10. Basic concepts of automation

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