

151-NR

M.D. DEGREE EXAMINATION – APRIL, 2012

BIOCHEMISTRY

Paper-IV : Clinical Biochemistry

Time: 3 Hours

Max. Marks:100

Note: Answer all questions

All questions carry equal marks

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WRITE SHORT ESSAYS ON THE FOLLOWING:

1. Define 'point of care testing'. Describe its scope, methodology, advantages and disadvantages.
2. Describe the role of fluid and electrolyte measurement in the management of seriously ill patient.
3. Discuss the biochemical investigations to assess (a) the glomerular functions and (b) the tubular functions.
4. Name five specific proteins that are measured in serum and mention their significance.
5. Name the cardiac markers and describe their role in the diagnosis and management of myocardial infarction.
6. Define 'hypoglycemia'. Describe the causes, clinical effects and assessment of fasting hypoglycemia, reactive hypoglycemia and neonatal hypoglycemia.
7. Multiple endocrine neoplasia.
8. Restriction fragment length polymorphism.
9. Describe the laboratory tests to assess the gastrointestinal function.
10. Porphyrrias.

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