

151-NR

M.D. DEGREE EXAMINATION – OCTOBER, 2014

BIOCHEMISTRY

Paper-IV : Clinical Biochemistry

Time: 3 Hours

Max. Marks:100

Note: Answer all questions

All questions carry equal marks

Draw neat diagrams wherever necessary

WRITE SHORT ESSAYS ON THE FOLLOWING:

- 1) Diagnostic importance of Isoenzymes of CK and ALP
- 2) Serum sample of an 18 year old boy was analyzed and the report is as under
Bilirubin : 20 mg/dl, AST:250 U/L, ALT:280 U/L, ALP:180 U/L
 - a) Interpret the enzyme levels and identify the underlying defect
 - b) What is the significance of AST:ALT ratio?
- 3) Hypoglycaemia and Alcohol intoxication
- 4) Clinical significance of Proteinuria
- 5) Interpretation of CSF analysis
- 6) Biochemical basis of Fatty liver.
- 7) Endogenous Creatinine clearance test
- 8) Describe the role of Laboratory in the diagnosis and management of Inborn errors of Lipoprotein metabolism
- 9) Describe lysosomal storage disorders
- 10) Nanotechnology in diagnostics

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