



FirstRanker.com

FirstRanker's choice

www.FirstRanker.com

www.FirstRanker.com

Q.P. Code: 105001

Reg. no.:

First Professional MBBS Degree Examinations - August 2015

BIOCHEMISTRY- PAPER I

Time: 3 Hours

Total Marks: 50

- Answer all questions
- Draw diagrams wherever necessary

Essay

(10)

1. Enumerate the components of electron transport chain. Describe the synthesis of ATP. Indicate the site specific inhibitors. Mention two examples for uncouplers.

(4+2+2+2=10)

Short essays

(2x5=10)

2. Gluconeogenesis
3. Diagnostic significance of serum enzymes

Short notes

(5x3=15)

4. Digestion of carbohydrates
5. Essential fatty acids
6. Denaturation
7. Principle of chromatography
8. Name three glycogen storage diseases and its biochemical defect

Answer briefly

(5x2=10)

9. Role of carnitine
10. Define isoelectric pH. State properties of a protein at its isoelectric pH
11. Importance of HMP shunt pathway
12. Sources of ammonia
13. Allosteric enzymes

Give precise answers:

(5x1=5)

14. Name the biochemical defect in Nieman-pick disease
15. Zymogen activation
16. Mention the reaction catalyzed by ATP-citrate lyase
17. Mention two biologically active peptides
18. Mention one therapeutic use of enzyme



FirstRanker.com
FirstRanker's choice

www.FirstRanker.com