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Total number of printed pages-4

34 (1) BIOC 1-3

2016

BIOCHEMISTRY

Paper : 1-3

Full Marks : 80

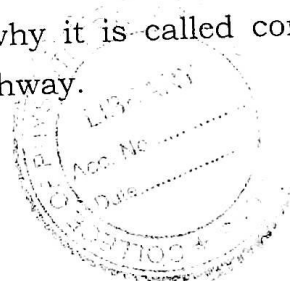
Time : Three hours

The figures in the margin indicate full marks for the questions.

Group A

I. Essay type questions : Answer **any two**
2×10=20

1. Give an account of Citric acid cycle and explain why it is called common metabolic pathway.



Contd.

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2. Write brief note on cholesterol metabolism. What is atherosclerosis and discuss the role of lipoproteins or it.
3. What is Urea Cycle ? Describe the synthesis of urea in the body.

Group B

II. Answer **any eight** questions : 5×8=40

1. Discuss the importance of dietary fibre in our body.
2. Write short note on Liver Function Test (LFT).
3. What is collagen ? Discuss its role in our body.
4. Describe the different Buffer Systems in our body.
5. What do you mean by competitive inhibition of Enzyme ?

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6. What is the biological value and nutritional disorder of proteins.
7. Describe the functions and deficiency syndrome of vitamin C.
8. What are Ketone Bodies ? How Ketone bodies are formed in our body ?
9. Describe the influence of hormones on carbohydrate metabolism.
10. Describe the factors affecting the enzyme action.

Group C

III. Answer **all ten** questions : 2×10=20

1. What are the differences between DNA and RNA ?
2. What is denaturation of proteins ?
3. What is lipogenesis ?

4. What are the deficiency syndrome of vitamin A ?
5. What is reducing sugar ?
6. What is Recommended Dietary Allowances ?
7. Define Respiratory quotient.
8. State the role of calcium and phosphorous in our body.
9. What is lactose intolerance.
10. Define co-enzyme. Write its importance.