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**RAN-2203230201040002****PGDMLT (Sem. - I) Examination March - 2025****Basic of Biochemistry (Paper - 1004 B)****Time: 3 Hours ]****[ Total Marks: 70****સૂચના : / Instructions**

(1)

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.  
Fill up strictly the details of signs on your answer book

Name of the Examination:

PGDMLT (Sem. - I)

Name of the Subject :

Basic of Biochemistry (Paper - 1004 B)

Subject Code No.: 2203230201040002

Seat No.:

Student's Signature

**Q. 1. Answer in Short (Any 7)****14**

1. What are heteropolysaccharides? Give examples.
2. Give full form of PUFA.
3. Relation between coenzyme and cofactor.
4. Full form of CPK. Which reaction is catalysed by CPK?
5. General deficiency of vitamin may occur due to which reasons?
6. Define vitamin. Give examples of water insoluble vitamins.
7. Explain the types of iron present in body.
8. How parathyroid hormone regulates the calcium level in blood.

**Q. 2. Answer in brief. (Any 2)****14**

1. Short note on classification of lipids.
2. Name the different methods for classification of protein.
3. Explain the biological functions of fat or lipids

**Q. 3. Answer in brief. (Any 2)****14**

1. Write a short note on co-enzyme
2. Explain the factors affecting enzymes activity.
3. Explain isoenzymes with reference to ALP.

**Q. 4. Answer in brief. (Any 2) 14**

1. Fat soluble vitamin vs water soluble vitamins.
2. Short note on Cobalamin.
3. Explain deficiency of vitamin C leads to scurvy

**Q. 5. Answer in brief. (Any 2) 14**

1. How do minerals act as co factor for enzyme.
2. Function, Dietary Source and daily requirement of Calcium.
3. Source, adsorption and excretion of Potassium.

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