

Roll No.

Total No. of Pages : 02

Total No. of Questions : 11

B.Sc(Cardiac Care technology) (Sem.-2)

BASICS OF BIOCHEMISTRY - II

Subject Code : BCCT-203-21

M.Code : 92118

Date of Examination : 17-12-22

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. **SECTION-A** is **COMPULSORY** consisting of **EIGHT** questions carrying **TWO** marks each.
2. **SECTION-B** contains **EIGHT** questions carrying **FOUR** marks each and students have to attempt any **SIX** questions.
3. **SECTION-C** will comprise of two compulsory questions with internal choice in both these questions. Each question carries **TEN** marks.

SECTION-A

1. **Answer the following :**
 - a) What are nucleotides?
 - b) Give the disorders of purine metabolism.
 - c) What is fatty liver and its causes?
 - d) What is clinical significance of transamination?
 - e) What is the daily intake of sodium and potassium?
 - f) Write the functions of insulin.
 - g) What are thyroid hormones?
 - h) Define dialysis.

SECTION-B

2. Explain the structure of RNA and its types.
3. Give the process of formation of ammonia.

4. Discuss the process of oxidative and non-oxidative deamination in brief.
5. What are various disorders of urea cycle?
6. Give a brief account of water and electrolyte balance.
7. Write a note on glucagon and cortical hormones.
8. Write a brief note on regulation of blood pH.
9. What are various liver and gastric function tests?

SECTION-C

10. Write a detailed note structure of DNA and its various types.

OR

Describe the process of digestion and absorption of lipids.

11. Explain the oxidation process of fatty acids. Discuss various disorders of fat metabolism.

OR

Give a detailed account of neurotransmitters and nerve activity.

NOTE : Disclosure of Identity by writing Mobile No. or Marking of passing request on any paper of Answer Sheet will lead to UMC against the Student.