

Roll No.

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Total No. of Pages : 02

Total No. of Questions : 09

B.Sc. (MLS) (2018 Batch) (Sem.-2)

BIOCHEMICAL METABOLISM

Subject Code : BMLS-202-18

M.Code : 75898

Date of Examination : 08-07-22

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

SECTION-A

Q1. Write briefly :

- a) Name the reactions of glycolysis catalyzed by kinases.
- b) What is Niemann-Pick disease?
- c) What is ketosis?
- d) What is transamination?
- e) What is feedback inhibition?
- f) What is Galactocemia?
- g) What are chylomicrons?
- h) Can muscle glycogen be the source of blood glucose?
- i) What is the difference between RNA and DNA?
- j) What is K_m value?

SECTION - B

- Q2. Explain why citric acid cycle is considered the common pathway of metabolism.
- Q3. Write a short note on oxidative decarboxylation.
- Q4. What are competitive and non-competitive inhibitors?
- Q5. Write a short note on the digestion and absorption of proteins.
- Q6. What are iso-enzymes? Give their clinical significance.

SECTION - C

- Q7. Discuss various pathways by which glucose is utilized.
- Q8. What are lipoproteins? Discuss various fractions of plasma lipoproteins with their functions.
- Q9. What is glycogenolysis and glycogenesis? Discuss the process and its hormonal control.

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