

Roll No.: _____

Enrolment No. _____

PARUL UNIVERSITY

PARUL INSTITUTE OF PHARMACY

PHARM.D. 1st YEAR · FIRST INTERNAL EXAMINATION: 2018-19

Subject Name: Medicinal Biochemistry

Subject Code: 08207103

Time: 10:00-11:30 am

Date: 06/10/2018

Total Marks: 30

Instructions:

1. Make suitable assumptions wherever necessary.
2. Figures to the right indicate full marks.

I Long Essay (Answer Any One) 10X 1 = 10M

1. (a) Describe biosynthesis pathway of cholesterol. 07
(b) What is atherosclerosis? 03
2. (a) Discuss in detail β - oxidation. 07
(b) Describe synthesis of ketone bodies (ketogenesis) 03

II Short Essay (Answer Any Two) 5 X 2 = 10M

1. Write a note on ETC.
2. Explain in detail: Citric acid cycle (TCA)
3. Write a note on HMP Shunt.

III Short Answers (Answer All) 2 X 5 = 10M

1. Define Enzyme. Give the IUB classification.
2. Explain effect of pH, temperature, concentration of enzyme and substrate on enzyme activity.
3. Explain about active diffusion.
4. Explain hormonal regulation of carbohydrate metabolism.
5. What is fatty liver?

******* BEST OF LUCK *******