



Roll No:

--	--	--	--	--	--

AR-18

Total Number of Pages : 1

M. Sc

M. Sc 3<sup>rd</sup> SEMESTER REGULAR EXAMINATIONS, NOV/DEC 2019-20

Subject code: P-733

Subject: METABOLISM

Time: 2 Hours

Max Marks: 40

The figures in the right hand margin indicate marks.

Q.1

- a) Give a general accounts of fats metabolism in plants 14

OR

Answer any 2 of the following 2×7= 14

- b) Oxidation of glycerol 7  
c) Sulphur Uptake 7  
d) Sulphur assimilation 7

Q.2

- a) Explain the mechanism of biological Nitrogen fixation. 13

OR

Answer any 2 of the following 2×6.5= 13

- b) Factor controlling biological Nitrogen fixation 6.5  
c) Nitrogen cycle 6.5  
d) Abiotic Nitrogen fixation 6.5

Q.3

- a) Give an illustrative account of flow of electron in electron transport system in mitochondria. 13

OR

Answer any 2 of the following 2×6.5= 13

- b) Respiratory Quotient 6.5  
c) Fermentation 6.5  
d) Cyanide resistance respiration 6.5