Quaid-i-Azam University

B. Sc Annual Examination
Paper-C Biochemistry-III
(Subjective Model Paper)

Maximum Marks: 32 **Time : 2 Hours 35 Minutes**

Note:- Attempt any FOUR questions. All questions carry equal marks.

SECTION –B

Q2. a) Describe the alanine and Glucose alanine cycle. 03

b) Give the salient features of urea cycle. 05

Q 3. a) Describe the role of methionine in the biosynthesis of cysteine. 05

b) Describe the mechanism oxidative deamination of amino acids. 03

Q 4. a) Give the chemical nature of purine and pyrimidines. 03

b) Describe the mechanism of de-oxynucleotide formation. 05

Q 5. a) Describe the glycolytic pathways. 03

b) At what steps ATP is generated in citric acid cycle. 05

Q 6) Describe the salient features and importance of pentose phosphate pathway. 08

Q 7) Write note on two of the followings. 08

a) Triglycerides synthesis **b)** oxidative phosphorylation

c) utilization of cholesterol **d)** electron transport chain