## SHIVAJI COLLEGE, UNIVERSITY OF DELHI DEPARTMENT OF BIOCHEMISTRY

## INTERNAL TEST (Academic Year 2023-24)

Name of the Course		D Ca (II)	
			Semester: IV
Name of the Paper		MANN	Faculty Name: Dr. Abhijeet Mishra
Duration	(*) (*)	15 min	Maximum Marks: 10
Date of Test			
1) The carbon atom so	urce wh	nile producing u	area in the urea cycle is
a) CO <sub>2</sub> b) Glu	icose c)	Aspartic acid of	1) Arginine
2) Which of the follow	ing is r	not an essential	amino acid?
a) Glycine b)	Leucin	e c) Methionine	ed) Histidine
3) Which of the follow	ing stat	tements concerr	ning transamination is correct?
a) Only non-e	ssentia	l (dispensable)	amino acids undergo transamination
o) i ransamina	ation is	an irreversible	reaction in amino acid catabolism
c) I ransamina	ases rec	luire a coenzym	e derived from vitamin B12
d) I ransamina	ases rec	quire a coenzym	e derived from vitamin P6
4) Urea production occ	curs alm	nost exclusively	in
a) Kidneys b)	Liver	c) Blood d) Urir	ne
E) 771 C			
5) The first enzyme in	the patl	hway carbamoy	l phosphate synthase I, is allosterically activated by:
a) N-acetyigh	namate	b) Acetyl coA	c) Glutamate d) Carbamoyl phosphate
o) what are the produc	cts of ur	rea cycle?	
a) One molecule	of urea,	, one molecule	of ammonia, one molecule of ATP and one molecule
of furnaric acid			
b) One molecule	of urea,	, one molecule	of AMP, two molecules of ADP and one molecule of
rumanic acid			
c) One molecule	of aspa	rtic acid, one n	nolecule of ammonia, one molecule of ATP and one
molecule of fuma	ric acid		
a) I wo molecules	of urea	i, two molecules	s of ammonia, one molecule of ATP and one molecule
of furnaric acid			
7) Urea cycle convert			
a) Ammonio into	amino	acids b) Amino	acids into keto acids
8) What are the immed	i less to	oxic form d) An	nmonia into a more toxic form
8) What are the inputs	to one	cycle of urea c	ycle?
of aspartic acid	$I CO_2$ ,	one molecule of	ammonia, three molecules of ATP and one molecule
	C		
fumaric acid	n urea,	one molecule c	of AMP, two molecules of ADP and one molecule of
rumanic acid			
<ul> <li>c) One molecule of aspartic acid, one molecule of ammonia, one molecule of ATP and on molecule of fumaric acid</li> </ul>			

Faculty Signature: