

16M00A06		
Madhya Pradesh Medical Science University		
First MBBS Examination Aug - Sep 2016		
Biochemistry Paper 2		
Time : 3 Hours		Maximum Marks: 50
Note (a) Attempt all questions in the same serial order. (b) Draw well labelled diagrams wherever necessary.		
Q1	Discuss transcription, genetic code and post transcriptional modifications.	5
Q2	Explain importance of proteins in human nutrition Why is specific dynamic action (SDA) of proteins higher than that of other major nutrients?	5
Q3	Write short notes on:	
(A)	Role of free radicals in aging	3
(B)	Tumor markers	3
(C)	Immunoglobulin G (IgG)	3
(D)	Enzyme classification	3
(E)	Point mutation	3
(F)	Haem catabolism	3
(G)	Fluid mosaic model of plasma membrane	3
(H)	Markers of acute renal failure	3
(I)	Telomere and Telomerase	3
(J)	Calorie requirements in a person having diabetes mellitus	3
Q4	Write in brief:	
(A)	Van den Bergh reaction	1
(B)	Value of TmG and renal threshold for glucose	1
(C)	Name two markers of bone formation	1
(D)	Oxidative stress	1
(E)	Define vector	1
(F)	Principle of photometry.	1
(G)	Bicarbonate buffer	1
(H)	Wobble Hypothesis	1
(I)	Orotic aciduria	1
(J)	Name the important compounds formed from Glycine.	1