

www.FirstRanker.com

www.FirstRanker.com

	ER-4006		
	First Year M. B. S. Example December - 2016	nination	
	Biochemistry : Paper -	П	
		e est de ladada	
		m . 111	
	Time : 2 Hours	[Total Marks : 50	
	Instruction :		0
	નીવે દર્શાવેલ 🚁 વિશાનીવાળી વિષયો ઉત્તરપથી પર અવસ્વ લખવી.	Seat No.:	
	Filiup strictly the details of principles on your answer book. Name of the Examination:		
	FIRST YEAR M. B. B. S.		
	Name of the Subject :		
	* BIOCHEMISTRY : PAPER - 2		
	-Subject Code No.: 4 0 0 6 -Section No.(1,2,): 182	Student's Signature	
	CHOMON I	and the second second	
	SECTION - I		
	1 Short notes : (2 out of 3)	8	
	 (a) Describe the process of heme degrada 		
	(b) Describe the metabolism of tyrosine		
	compounds synthesized from tyrosine		
	(c) Describe the factors affecting on enzy	me activity.	
	2 Short notes : (4 out of 6)	12	
	(a) Recombinant DNA technology.		
	(b) Tumour markers		
	(c) Beriberi		
	(d) Diagnostic applications of enzymes		
	(e) Post translational modifications		
	(f) Functions and disorders of vitamin (must erresolve co	
	3 Answer in one or two lines : (5 out of 6)	5	
	(a) Functions of niacin vitamin.	9	
	(b) Biologically important peptide examp	les (any four)	
	(c) Name the uses of PCR.	ics (any rour).	
	(d) What is enzyme pattern in myocardi	al infarction ?	
	(e) What is the function of restriction er		
	(f) What are plasma proteins ?		
	ER-4006] 1	[Contd	
	20001	Louisin	
		r	



www.FirstRanker.com

www.FirstRanker.com

SECTION - II

4 Read the following case and answers the questions :

10

A 40 year old man came to O.P.D with the complaint of severe interphallangeal joint pain of his right hand since morning. He gave history of consumption of much food and alcohol in the previous night. Laboratory investigation of Biochemical parameters were normal except serum uric acid level 10 mg% (normal 3-7mg %). The cause was diagnosed as "Acute Gout" he was given conventional treatment with Allopurinol,

- (1) What is Gout ?
- (2) What are the causes of Primary gout?
- (3) What is the precursor substance of uric acid?
- (4) What is basis of treating patient with allopurinol ?
- (5) How will you correlate between alcohol consumption and acute gouty attack?
- 5 Write justification: (5 out of 7)

10

- (a) Replication of DNA is semiconservative.
- (b) Protein malnutrition causes oedema.
- (c) Enzyme inhibition property is used for treatment of diseases.
- (d) Methotrexate is used for the treatment of cancer.
- (e) Zwitter ions doesn't move under electric field.
- (f) Excess of ammonia is toxic to the brain.
- (g) Folic acid supplements are helpful in a person with high homocysteine level.
- 6 Answer in one or two lines : (5 out of 6)

5

- (a) Applications of PCR.
- (b) What is acute phase protein? Give two examples.
- (c) Active form of vitamin D, gives its daily requirement for adult,
- (d) Define detoxification.
- (e) Inhibitors of protein synthesis (any two).
- (f) Which compounds synthesized from Tryptophan amino acid?

ER-4006]

2

[100]