MFN-002 / 2460

MASTER OF SCIENCE (DIETETICS AND FOOD SERVICE MANAGEMENT) (M.Sc.DFSM)

Term-End Examination

MFN-002: NUTRITIONAL BIOCHEMISTRY

Time :	2 1/2	Hours] [Maximum: Marks:	/5
Note:		swer four questions in all. Question no-1 npulsory.	is
1.	(a)	What are simple sugars? Give gener	ral 2
	(b)		2
	(c)	What is peptide bond?	2
	(d)	Give active form of Niacin	1
	(e)	What are Holoenzymes?	2
	(f)	Explain, What the are free radicals?	2
	(g)	Give role of copper in blood clotting.	2
	(h)	What is Galactosemia?	2
2.	(a)	What do you understand by enzyminhibition? Explain with examples.	ne

(b) Explain the process of digestion in stomach.

(1)

- (c) What is physiologically important role of nucleotide in our body? 5×4=20
- (d) How proteins are classified in different strutural levels?
- 3. (a) What are anaplerotic reactions? 4×5=20
 - (b) What is gluconeogenesis? What are its substrates?
 - (c) Give account of energy production in glycolysis.
 - (d) Explain briefly β -oxidation in fatty acids.
 - (e) What is hyperlioproteinemia? How it is classified?
- 4. (a) What happens if oxidised LDL circulates freely in system? 5×4=20
 - (b) Give role of Vit-A in vision,
 - (c) Give functions of ascorbic acid.
 - (d) Explain the role of magnesium in metabolic and hormone action.
- 5. (a) Give role of Insulin. 4×5=20
 - (b) Write short note on Nieman's pick disease.
 - (c) Give brief account of sickle cell anaemia.
 - (d) How oxidative decarboxylation is brought about in MSUD.
 - (e) What is PKU