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[LB 824] AUGUST 2012 Sub. Code: 4884

FIRST YEAR P.B.B.Sc (NURSING) EXAM

Paper III – BIOCHEMISTRY AND BIOPHYSICS

Q.P. Code : 684884

Time : Three hours **Maximum : 100 marks**

(180 Min) Answer ALL questions in the same order.

Answer Section A and B in a SEPARATE answer book.

SECTION A
(BIOCHEMISTRY)

	Pages (Max.)	Time (Max.)	Marks (Max.)
I. Essay:			
1. Explain Glycolysis and its regulation in detail.	19	33	20
II. Write Notes on:			
1. Mucopolysaccharides.	3	8	5
2. Enzymes of diagnostic importance.	3	8	5
3. Rancidity.	3	8	5
4. Malabsorption syndrome of Lipids	3	8	5
III. Short Answer on:			
1. Normal values of blood glucose during fasting and postprandial state.	1	5	2
2. Alkalosis.	1	5	2
3. Denaturation.	1	5	2
4. Serum creatinine phosphokinase.	1	5	2
5. Nucleotides.	1	5	2

SECTION B
(BIOPHYSICS)

I. Elaborate on:			
1. What is Radio activity? Explain the use of radioisotopes in medicine.	19	33	20
II. Write Notes on:			
1. Biological effects of light.	3	8	5
2. Relative humidity and specific heat.	3	8	5
3. Laser	3	8	5
4. Sphygmomanometer	3	8	5
III. Short Answers on:			
1. Third order lever with example.	1	5	2
2. Refraction and Reflection.	1	5	2
3. Osmosis.	1	5	2
4. Pulse Oximeter.	1	5	2
5. Temperature Scales	1	5	2

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