

Time: 3 Hrs.

[Max. Marks : 40]

BIOCHEMISTRY

QP Code: 1153

(Note : Both QP Codes 1152 and 1153 are to be answered within total duration of 3 hours)**LONG ESSAY****1 X 10 = 10 Marks**

1. Describe the process of glycolysis along with its regulation. Explain how many molecules of ATP are formed in aerobic and anaerobic conditions

SHORT ESSAY**3 X 5 = 15 Marks**

2. Describe the role of kidney in acid base regulation
3. Mention different types of lipoproteins and their functions
4. Describe urea formation in liver

SHORT ANSWERS**5 X 3 = 15 Marks**

5. Scurvy
6. Creatinine clearance test
7. What are the causes and features of pellagra?
8. Give the normal values of the following
 - a) Fasting blood glucose
 - b) Serum creatinine
 - c) Serum urea
9. Essential fatty acids

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