



NORTH SOUTH UNIVERSITY
Department of Biochemistry and Microbiology



Name:

ID:

Section:

Date:

Final

Marks: 20. Time: 1 hour

Answer any 4 out of 6 subjective questions (Please do not answer more than 4 subjective questions, negative marking will be enable for extra question answering and answer by writing in paper, insert all the snapshots in a file and then upload it as an assignment.)

Subjective Questions: 20

(4x5=20)

1. With the help of one pharynx how we can breathe, talk and eat together? What are the fundamental functions of bile? What is the familiar pathological disorder occurs due to increase level of bilirubin in the body? (2.5+3)
2. Draw a human heart and identify all the chambers, blood vessels and valves of heart. Write the differences between artery and vein. (2.5+2.5)
3. Write the mechanism of type 1 Diabetes Mellitus. What are the possible complications can be developed to the baby **during** and **just after birth** when the mother had diabetes during her pregnancy? (2.5+2.5)
4. Discuss the role of pancreas as an exocrine and endocrine gland. Mention all the functions of kidney elaborately. (2.5+2.5)
5. Why the heart is separated into Pulmonary circuit and Systemic circuit? Show by a flowchart how heart pumps oxygenated and deoxygenated blood throughout the lungs and body. (2.5+2.5)
6. Write on : (2.5+2.5)
 - a. The composition of blood
 - b. Mechanism of Fever