ne:		Subject: Biology	Class: 11 th	Time: 80 minutes	Total Marks:	40
Chapter	No.2 1 st half	MJDexpert.com			Obtained marks	
Note: Q. 1 Ei 1. 1 a. Ana and 2. 1 a. Ana and 2. 1 3. 1 3. 1 5. 7 a. 1 5. 7 a. 1 6. 1 6. 1 6. 1 a. 6 7. 1 a. 7. 1 a. 6 7. 1 a. 7. 1 a. 6 7. 1 a. 7.	Please attem (a and b) of ncircle the cor Biochemistry is e tomy and physiol immunology What is the main Energy source b. (Which of the folle composition table b . RNA c. Lipids What type of bor onic bond b. Cov Che ratio of hydre Proteins b. Nuclei Which monosacce Fructose b. Galace Which monosacce Caller Colorent for non-performed to an Solvent for non-performed to a soccharide b. Composition to an Colorent for non-performed to an Mich type of bor Colorent for non-performed to an Colorent for non-performed to an Colorent for non-performed to an Colorent for non-performed to an another type of bor Colorent for non-performed to an Colorent for non-performed to an another type of bor Cosidic bond b. 100	pt any 11 short quest Question 3. Cutting a Objectiv rect answer. ssential for understand ogy b. Evolution and ec role of carbohydrates Genetic material c. Cell owing is not a compone e? d. Glycogen d forms when two car alent bond c. Hydrogen ogen to oxygen in carbo c acids c. Water d. Lipic haride is most importar tose c. Glucose d. Ribos ral formula for monosa 20)y+1 c. CxH2Oy d. Cx bohydrate is starch cla olar substances b. Sour ions and participant in nd is formed between hic bond c. Hydrogen bo	ions from Questi nd removal of an (e-Section (10x1=10) ling which aspects cology c. Genetics a in cells? membrane structurent of a bacterial of bond d. Metallic H ohydrates is similar ds the biologically? e ccharides? H2Oy+1 assified as? accharide d. Disacco I reactions? ce of chemical end hydrolysis d. Structure two monosacchar ond d. Peptide bor	on 2. Also, attem y content is strict a of living organism and taxonomy d. M ure d. Hormone pro cell according to th electrons? bond ar to that in: charide ergy tural component o ides in a disacchar	pt both parts tly prohibited. ns? licrobiology oduction re chemical	
		Jubjecti	-3651101			
Q.2 Wi	rite short answ biochemistry	ers of any ten of th	e following que	estions: (11x2=2	22)	
II. What	are anabolic reac	tions? Provide an exam	ple.			
III Explai	in the term 'tetra	valent' as it nertains to	carbon			
IV What	is the significanc	e of water's high specif	ic heat canacity?			
1V. VVIIdl	a main tunos of a	arbohydratos	ic near capacity?			
	e main types of c	arbonyurates.		*		
VI. Differ	entiate between	giucose and ribose in t	erms of their struc	ture.		
VII. Desc	ribe the role of e	nzymes in biochemical	reactions.			
VIII. Wha	it is the role of gl	ycoproteins and glycoli	pids in cells?			
IX. Expla	in the difference	between amylose and a	amylopectin.			
X. What	is the primary fur	nction of cellulose in pla	ants?			

XI. Describe the process of hydrolysis in carbohydrates.

XII. How does water protect organs from damage?

Q.No.3 Long Question:

a. Describe the process of photosynthesis, including its role in the formation of glucose.

(5+5=10)

b. Explain how carbohydrates are classified and provide examples of each type.