ame:	Subject: Biology	Class: 10 th	Time: 80 minutes	Total Marks:	40
Chapter No	.8	MJDexpert.com		Obtained marks	
(a - Q. 1 Encircle 1. When	ase attempt any 10 short que and b) of Question 3. Cutting Object e the correct answer. was the work on Genetic Eng 30 B) 1940 C) 1944 D) 1970	and removal of an ive-Section (10x1=10)	y content is stric	• •	
,	nent through genes is called:				
 Alcoho A) Vir The mi A) Asp The mi A) Asp A ferm A) 20 1 Enzym A) End Enzym A) End Human A) Yea <u>A</u> Human A) Yea <u>A</u> How m A) 100 Single 	he Therapy B) Chemo Therap polic fermentation is carried ou us B) Bacteria C) Yeast D) A icroorganism used in the form pergillus B) Saccharomyces C henter may hold of the liters B) Hundreds of liters C he which is used to cut the gen donuclease B) Ligase C) Amy h insulin gene was transferred ast B) Bacteria C) Virus D) A is an antiviral protein: bkinase B) Thymosin C) Insu- huch protein is produced by 5 0 tons B) 150 tons C) 200 ton -cell protein can be obtained ect B) Cow C) Algae D) Bird	at by: lgae nation of Ethanol is C) Bacillus D) Muta growth medium:) Thousands of liter ne of interest is: ylase D) Lipase l into: lgae lin D) Interferon 50 kg of yeast in 24 s D) 250 tons from:	: ition rs D) Lacs of liter		
	Subject	ive-Section			
Q.2 Write sh	ort answers of any ten of	the following and	stions: (10x2=2	20)	
i. Write down ii. Explain the	the names of major techniqu Human Genome Project. basic types of the fermentati	ues in biotechnolog	y.		
iv. Define Ferr	mentation in biotechnology.				
	uses of Formic acid.				
	nenter. Give its two types. netic Engineering?				
-	two objectives of Genetic Er	gineering			
•	wo basic steps in genetic eng				
	a-endorphin? What is its fun				
	wo characteristics of transge				
xii. What is no	vel protein or Mini-Food?				

Q.No.3 Long Question:

- (5+5=10)
- a) Describe any eight achievements of Genetic Engineering in detail.
- b) Define fermentation. Describe two basic types of fermentation.