## **OPEN STUDENT FOUNDATION** STD 12TH Biology **CH : BIOTECH APPLICATION** PRACTICE SHEET 17

Total Marks: 30

		Sectio	on A						
•	Choose correct answer from the given options. [Each carries 1 Mark]								
1.	Bt crops that are grown by indian farmers is ?								
	(A) Soyabean	(B) Maize	(C) Cotton	(D) Bringle					
2.	_	none by r-DNA technolog							
	(A) Insulin	(B) Estrogen	(C) Thyroxine	(D) Progesterone					
3.	For the sequence of hum (A) T- DNA	(B) BAC and YAC	is commonly used? (C) Expressive vector	(D) T/A cloning vector					
4.	It is associated with the (A) To protect plant from (B) To protect plans from (C) Roots can fix in the	transfer of t DNA. n heat shock, change in t n extreme cold for short	he aoil ph period of time						
5.	Golden rice is a genetica	lly modified crop. Which	is developed by introdu	icing genes for					
	(A) Vitamin A	(B) Vitamin B	(C) Vitamin C	(D) Omega3					
6.	A 'new' variety of rice y India for a long time. Th (A) Lerma Rojo		n company, though such (C) Co-667	varieties have been present in (D) Basmati					
7.	Use of bioresources by m country and its people is (A) Biodegradation		d organisations without a	uthorisation from the concerned (D) Bioexploitation					
8.	In India, the organisation for public use is (A) Research Committee (B) Council for Scientific (C) Indian Council of M	responsible for assessing on Genetic Manipulation c and Industrial Research	the safety of introducing (RCGM) (CSIR)	g genetically modified organisms					
9.	<ul> <li>Which of the following is true for golden rice?</li> <li>(A) Its seeds are yellow because from the wild rice type genes are derived</li> <li>(B) It is rich in vitamin A.</li> <li>(C) It is pest resistant and contains one gene of Bacillus thuringiensis.</li> <li>(D) It is drought resistant, agrobacterium develops from the vector.</li> </ul>								
10.	Which of the following features of genetic code does allow bacteria to produce human insulin by recombinant DNA technology?								
	(A) Genetic code is not	-	(B) Genetic code is r						
11.	(C) Genetic code is near Match the following and	ly universal select the correct option	(D) Genetic code is s	specific					

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	Column I	Column II						
	(a) bt cotton	(i) gene therapy						
	(a) of cotton (b) ADA deficiency							
	(c) RNAi	(iii) detection of HIV infection						
	(d) PCR	(iv) bacillus thuringiensis		(1 • )				
	(A) (a-iv), (b-i), (c		(B) (a-iii), (b-ii), (c-i), (					
	(C) (a-ii), (b-iii), (d		(D) (a-i), (b-ii), (c-iii), (	(d-1V)				
12.	Which of the follo	-						
		ulin is synthesised as pro ins						
		extra peptide Called c- pep						
		in A and B chain joins with gineered insulin is synthesise	·					
13.	2	hat was developed by the in	troduction of toxin gene of	Bacillus thuringiensis (Bt) is				
	resistant to (A) Insect pest	(B) Fungal diseases	(C) Plant nematodes	(D) Insect Predators				
	(A) Insect pest			(D) Insect Fredators				
		Sec	tion B					
•	Write the answer o	f the following questions. []	Each carries 3 Marks]	[9]				
1.	What is Cry ( crys	tal) protein? Give the name	of organisms which produces	it. How humans take benefit				
	What is Cry ( crystal) protein? Give the name of organisms which produces it. How humans take benefit from this protein?							
2.	Explain: Pest resist	ance Plants.						
3.	Describe biopiracy.							
		Sec	tion C					
•	Write the answer o	f the following questions. []	Each carries 4 Marks]	[8]				
4.	Describe: Genetic	engineered insulin						
5.			ple of adenosine deaminase	(ADA) deficiency				
	What is gone more	py: musture using the exam	ipie of adenositie dealititude					

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Section [ A ] : 1 Mark MCQ						
No	Ans	Chap	Sec	Que	Universal_Queld	
1.	С	Chap 10	S6	155	QP23P13B1214_P2C10S6Q155	
2.	А	Chap 10	S6	154	QP23P13B1214_P2C10S6Q154	
3.	В	Chap 10	S6	153	QP23P13B1214_P2C10S6Q153	
4.	D	Chap 10	S6	152	QP23P13B1214_P2C10S6Q152	
5.	А	Chap 10	S6	151	QP23P13B1214_P2C10S6Q151	
6.	D	Chap 10	S6	150	QP23P13B1214_P2C10S6Q150	
7.	С	Chap 10	S6	149	QP23P13B1214_P2C10S6Q149	
8.	D	Chap 10	S6	148	QP23P13B1214_P2C10S6Q148	
9.	В	Chap 10	S6	147	QP23P13B1214_P2C10S6Q147	
10.	D	Chap 10	S6	146	QP23P13B1214_P2C10S6Q146	
11.	А	Chap 10	S6	144	QP23P13B1214_P2C10S6Q144	
12.	С	Chap 10	S6	145	QP23P13B1214_P2C10S6Q145	
13.	А	Chap 10	S6	143	QP23P13B1214_P2C10S6Q143	

Section [ B ] : 3 Marks Questions						
No	Ans	Chap	Sec	Que	Universal_Queld	
1.	-	Chap 10	S1	6	QP23P13B1214_P2C10S1Q6	
2.	-	Chap 10	S1	7R	QP23P13B1214_P2C10S1Q7R	
3.	-	Chap 10	S1	21	QP23P13B1214_P2C10S1Q21	

Section [C]: 4 Marks Questions						
No	Ans	Chap	Sec	Que	Universal_Queld	
4.	-	Chap 10	S1	15	QP23P13B1214_P2C10S1Q15	
5.	-	Chap 10	S1	16	QP23P13B1214_P2C10S1Q16	

Welcome To Future - Quantum Paper

## Total Marks: 30