Model Question Paper

Botany-Biotechnology-Part-III

	12th Standard					
	Biology	Reg.No.:	П			
	I.Answer all the questions.		 			_
	II.Use blue pen only.					
Tin	ne : 01:00:00 Hrs		To	tal Ma	arks	: 75
	Part-A				5 x 1	. = 5
1)	Large scale production of SCP are made through huge vessels called					
	(a) laminar air flow chamber (b) autoclave (c) bio-reactor (d) incubator					
2)	The vector used in genetic engineering to carry genes into bacteria					
	(a) Velemen (b) E.coli (c) Plasmid (d) Bacillus					
3)	The toxin gene present in Bacillus thuringiensis					
	(a) Bt ₂ (b) Nif (c) Ti (d) Dt					
4)	The cell wall of bacterium is made permeable to the entry of altered plasmids by exposing it to					
	(a) DNA ligase (b) cellulase (c) polymerase (d) helicase					
5)	A bacteria which digests crude oil slick					
	(a) Pseudomonas putida (b) Streptomyces hygrocopicus (c) Bacillus thuringiensis (d) Agrobacterium tumefaciens					
	Part-B			5	x 3 =	= 15
6)	What are the substrates studied for SCP production?					
7)	List the important Tissue culture centres in India.					
8)	Mention the names of any three Alage and Bacteria used for SCP production.					
9)	Write the materials used for the enzymatic method of isolation of protoplast.					
10)	What is Morphogenesis? Describe the types?					
	Part-C			5	x 5 =	= 25
11)	Explain the enzymatic method of isolation of protoplast.					
12)	Mention some of the practical applications of protoplasmic fusion.					
13)	Write about the use of genetically enginee <mark>red bact</mark> erial strain by Ana <mark>nd Mohan</mark> Char <mark>krawarth</mark> y.					
14)	Write the benefits from release of genetic <mark>ally mod</mark> ified micro orga <mark>nism into the</mark> environment.					
15)	SCP - Define. List out any three uses of SCP.					