

Q.9

Q.10

employment.

Explain mutation and mutation breeding.

12th Science: Biology Enhancement of Food Production,

	DATE:
	TIME: 1 hour
	MARKS: 25
:	

(3)

SEAT NO

Note:	All Questions are compulsory. Numbers on the right indicate full marks.					
	Section A					
Q.1 Se	Q.1 Select and write the correct answer.					
1.	Which bacteria is used in the production of 'Swiss cheese?					
	A) Propionibacterium sharmanii B) Saccharomyces cerevisiae					
	C) Trichoderma polysporum D) Aspergillus niger					
2.	The bacterium that commonly live in animal and human intestine is					
	A) Basillus anthracis B) Escherichia coli					
	C) Vibrio cholera D) Corynebacterium					
3.	MOET technique is used for					
	A) production of hybrids B) inbreeding					
	C) outbreeding D) outcrossing					
4.	Inbreeding depression					
	A) Usually increases fertility only B) Usually reduces productivity only					
	C) Usually increases fertility and productivity D) Usually increases fertility and productivity					
Q.2 Ar	nswer the following.	(3)				
1.	What is hybrid-vigour?					
2.	2. Names of some edible mushrooms and poisonous mushrooms.					
3.	3. What are the factors taken into consideration for the maintenance of fish farm?					
	Section B Attempt any Four					
Q.3	Name the steps in hybridization while breeding plants for disease resistance.	(2)				
Q.4	What biochemical changes occur in milk when it is inoculated with LAB?	(2)				
Q.5	What is the purpose of breeding Animals?					
Q.6	What are the merits of inbreeding?					
Q.7	Explain the primary treatment of sewage water.	(2)				
Q.8	Plant breeding for improved food quality is a must. Give reason.	(2)				
	Section C Attempt any Two					

State various professional methods needed to boost our farm production, economy and (3)

Q.11	Explain the role of microbes in enzyme production.	(3)
	Section D Attempt any One	
Q.12	State the requirements of tissue culture technique.	(4)
Q.13	Enlist the species of honey bee mentioning their specific uses.	(4)