Enrolment No.

PARUL UNIVERSITY

PARUL INSTITUTE OF PHARMACY

B.PHARMSIXTH SEMESTER

SECONDINTERNAL THEORY EXAMINATION: 2020-21

	me: Pharmaceutical Biotechnology			
	de: BP605T Date: 12-03-2021			
Time:	Total Marks: 10			
Instruction				
	to the right indicate full marks.			
	sitable assumptions wherever necessary.	1101		
Q.1 N	Iultiple Choice Questions:	[10]		
(1) Batch sterilization cycle consists of	01		
(1				
	(a) Two Phases (b) Three Phases			
(2)	(c) Four Phases (d) Five Phases	01		
(2	A period during which the growth rate of cells gradually increases			
	is known as			
	(a) Lag Phase (b) Log Phase			
	(c) Stationary Phase (d) Deceleration Phase			
(3	Which of the following is not required in surface fermentation?	01		
	(a) Aeration (b) Baffles			
	(c) Agitation (d) Stirrer			
(4	Which of the following requires a substrate as support?	01		
,	(a) Submerged fermentation (b) Surface fermentation			
	(c) Solid state fermentation (d) Batch fermentation			
	(c) Solid state fermentation (d) batch fermentation			
(=	Which are is not true for a large district of the control of the c	0.1		
(5		01		
	(a) The concentration of media is lower(b) Small-size bioreactors			
	(c) Easy Sampling. (d) Expensive downstream processing			
(6	The predominant hypersensitivity reaction involving IgE is	01		
	(a) Type I (b) Type II(c) Type III(d) Type IV			
(7	The chemical used for conversion of toxin into toxoid is	01		
(.	(a) Ethanol (b) Chloroform (c) Formaldehyde (d) Hydrochloric acid	01		
	(a) Editation (b) emorotomi (c) romandenyde (d) mydroemorie aeid			
(8)	The protein toxins that have been modified to reduce the toxicity without	0.1		
(0		01		
	altering the immunogenicity are known as			
(0)	(a)Toxoids (b) Sera (c) Vaccines. (d) Antisera			
(9)		01		
	(a) Carrier (b)Transformer (c)Vector (d)None			
14				
(1)		01		
	(a) 2 °C to 8°C (b) 2 °C to 6°C (c) -2 °C to -8°C (d) Below 10°C			

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Date: 12-03-2021

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PARUL UNIVERSITY

PARUL INSTITUTE OF PHARMACY

B.PHARM SIXTH SEMESTER

SECONDINTERNAL THEORY EXAMINATION: 2020-21

Subject Name: Pharmaceutical Biotechnology
Subject Code: BP6051

Total Marks: 20

Instructions:

to respect to the right indicate full marks.

2. Make suitable assumptions wherever necessary.

Q.2 Long Answers:(Any One)

- (1) Define fermentation and different methods of fermentation. Explain the production of penicillin using large scale fermenter.
- (2) Define toxoids and explain method of preparation of any one toxoid vaccine.
- Q.3 Short Answers: (Any Two)
 - (1) Define mutation and explain the types of mutations. 05
 - (2) Jechnology the production of monoclonal antibodies by Hybridoma 05
 - Define and explain different types of immunities with examples. 05
