Total Marks: 100

Third B. Pharm (Ayurveda) Degree Regular/Supplementary Examinations April 2022

Time: 3 Hours

Pharmaceutical Microbiology & Biotechnology

	 Answer all questions to the Indicate the question nu Answer all parts of a single Write Section A and Section section A and section B 	point neatly and legibly • Do not leave any blank page mber correctly for the answer in the margin space question together • Leave sufficient space between a n B in separate answer books (32 Pages). Do not mix u	s between answers nswers Ip questions from
QF	CODE: 304008	Section A- Microbiology	Marks: 50
Es	say:		(10)
1.	Explain chemical disinfecta	nts	
Sh	ort notes:		(5x5=25)
2.	Moist heat Sterilization		
3. 4. 5. 6.	Draw and explain the structure of gram negative cell wall. Explain microbial resistance. Viral Multiplication Define and write about the different types of plasmids.		
Answer briefly: (5x3=15)			
7. 8. 9. 10 11	Name any one transport me Write the main functions of "Differential staining techniques" Name any three selective a Define bacteriostatic and ba	edia, anaerobic media and enriched media. natural killer cells, TH cells and macrophages. nd differential culture media. actericidal	
QF	CODE: 308008	Section B - Biotechnology	Marks: 50
Es	say:		(10)
1.	Define bacterial transformation. Explain in detail transformation in steroid molecule through oxidation reaction		
Sh	ort notes:		(5x5=25)
2.	Define and enumerate vario	ous applications of monoclonal antibodies.	
3.	Genetic transformation proc	Cess.	
4. 5	Give the preparation, storag	je, packing and labeling of bacterial vaccines.	
5. 6	Draw and describe the den	eral structure of antibodies	
Answer briefly: (5x3=1)			
7.	. Define active and passive immunization.		
8.	What are semi synthetic pe	nicillin	
9.	Full forms of: BCG, Ig, PFU	1	

- 10. Define: Hybridoma technology, Mutation, Anaphylaxis
- 11. Write the application of following immobilized enzymes: Penicillinase, Amylase, Hyaluronidase