(3 Hours)

Total Marks: 75

	<b>N.B.:</b>	1. A	ll questions are compulsory
			raw diagram wherever necessary
			igure to the right indicate full marks
		J. F1	igure to the right indicate run marks
1	Multipl	le Cha	oice Questions (Answer all the 20 questions)
_			e is prepared using
	1 Statio	a.	Solidified media
		b.	Liquid media
		c.	Semisolid media
		d.	Liquid crystalline media
		u.	Enquire of youthine intention
	2 The fi	ınctio	n of condenser in microscope is
	2 1110 10	anetro.	
		b.	Hold specimen
		c.	Adjust distance
		d.	Magnify object
		u.	Magnify object
	3 is	a met	hod of bacteriological count
	5 18		Lyophilisation
		b.	Roll tube method
		c.	Cup plate method
	A.F	u.	Neubauer chamber
	A Anger	ohic b	pacteria can be isolated with
	Amacı	a.	Streak plate method
		b.	Roll tube method
		) о. с.	Pour plate method
		d.(	Spread plate method
		u.	Spread plate method
	5 Secon	dary r	metabolites are obtained at the end of
	) becom		Lag phase
		b.	Exponential phase
		c.,	Stationary phase
		d.	
			Decime phase
	$\frac{1}{6}$ is	used :	as a technique for preservation of bacteria
	0 15	a.	Lyophilisation
		b.	Staining
			Gas pack system
		d.	
		d.	Termentation
	7 Simpl	e stair	ning technique can be used to determine
	, Simpi	a.	Reproductive cycle of cells
		a. b.	
	N. T.	c.	Arrangement of bacterial cells only
		4	Different types of bacterial cells

## Paper / Subject Code: 65213 / Pharmaceutical Microbiology

8 Gram stain	ing was developed by
a.	German bacteriologist
	Danish bacteriologist
c.	Russian bacteriologist
d.	American bacteriologist
9 is used	to prevent infection by killing or inhibiting pathogen
a.	sterilant
b.	disinfectant
c.	adsorbent
d.	antiseptic
10 is use	ed for sterilization of microbiological media?
a.	Red heat
b.	
c.	Chemical method
d.	Autoclave
11 Which of t	the following process does not kill bacteria?
a.	Hot air sterilization
	Filtration
	Autoclave
d.	
12 Bioburden	is number of microorganism present in a product or area
a.	Initial No. 10 10 10 10 10 10 10 10 10 10 10 10 10
b.	Final
C.	During process
d.	After the process
13 Sterilization	
a.	Process of growing microbes in the laboratory
b.	Process for the preparation of antibiotics
) 6 c.	Killing or removing all the microorganisms
d.	Estimation of potency
1.45	
14 Fungi	
a.	are photosynthetic
b.	are prokaryotic cells
C.	have cell walls of peptidoglycan
d.	secrete extracellular enzymes
15 Viruses re	quire for growth.
a.	bacteria
b.	plants
c.	animals
<i>₽</i> , 7 d	living colls

16 Alc	ohol ac	et as a disinfectant by	
		Producing toxins	C.Y
	b.	Protein denaturation	
	c.	Membrane lysis	
	d.	Coagulation	
17	is a	test for evaluation of disinfectant	
	a.	Antimicrobial assay	
	b.	Test for sterility	
	c.	Phenol coefficient method	
	d.	IMViC	
		. 888	
18		is used in Test for sterility	
	a.	Alternate thioglycollate medium	
	b.	SDA medium	
		Nutrient agar	
	d.	Nutrient broth	
10 0			
19 Cu <sub>l</sub>	<b>\</b>	method is used for	
	a.	Antibiotics	
	b.		
	C.		
	d.	Proteins	Z'O'
20 Mi	robiole	ogical assay of antibiotics can be performed by	
20 WII		Cup plate method	
	b.		
	C.	Phenol coefficient method	
	d.	Agar plate method	
	QV G.	rigar plate inculou	
Answe	er the f	following (any 2 out of 3)	20
		ethods of sterilisation & explain dry heat as a method of sterilisation	
in de			
		ic and lysogenic cycle in detail	
-	_ Y		
3. WII	ie a noi	e on Morphology, structure and nutrition of Fungi	
	41	n	25
O-7		following (any 7 out of 9)	35
) =	^ /v=	nciple of Gram staining and differentiate between Gram positive	
		negative bacteria.	
2. Exp	lain fac	etors affecting action of disinfectants	
3. Wri	te a not	e on motility of bacteria	
4. Exp	lain filt	ration sterilisation in detail	
_		e on methods of isolation of bacteria	
		e on phenol coefficient method	
		e on microbiological assay of antibiotics by cup plate method	
		e on sterilisation indicators	
9. Exp	lain spo	ore formation in bacteria.	

34134