"Dissemination of Education for Knowledge, Science and Culture" - Shikshanmaharshi Dr. Bapuji Salunkhe



Shri Swami Vivekanand Shikshan Sanstha's

Vivekanand College (Autonomous), Kolhapur

" REMEDIAL COACHING "

For slow learner scheme

By, **Department Of Microbiology**

2021-2022



- Shikshanmaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's

Vivekanand College (Autonomous), Kolhapur

Department Of Microbiology

Remedial Teaching Notice

Date: 27/12/2021

All the students of B.Sc III Microbiology are hereby informed that the students who are lagging behind in their academic performance are selected for "Remedial Coaching For Slow Learners Scheme". The list of selected students is enlisted below.

All the students should note that Remedial Coaching will be conducted from 31st Dec 2021 to 21st Jan 2022.

- Shikshanmaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's

Vivekanand College (Autonomous), Kolhapur

Department of Microbiology Remedial teaching B.Sc III 2021-2022 List Of Students

Sr.No	Name of Students	Roll No.
1	Bagade Karina Suraj	7813
2	Balugade Siddhi Ananda	7814
3	Banage Anagha Avinash	7815
4	Ghadage Vaishnav Dharmraj	7822
5	Kamble Shirish Sanjay	7825
6	Katale Mayur Manohar	7826
7	Kesarwani Roma Baramdin	7827
8	More Ruth Madan	7833
9	Pange Pratiksha Prabhakar	7836
10	Wakrushe Divya Vitthal	7846



- Shikshanmaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's

Vivekanand College (Autonomous), Kolhapur

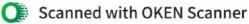
Department of Microbiology

Remedial Teaching B.Sc III 2021-2022

Objectives Of Remedial Teaching:

- 1. To provide learning support & additional attention to weaker students.
- 2. To build confidence among students.
- 3. To raise student upto the average level of competence.
- 4. To enhance learning interest & motivation among pupils.
- 5. To identify slow learners and provide them with the necessary help and guidance to overcome his problem.





- Shikshanmaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's

Vivekanand College (Autonomous), Kolhapur

Department of Microbiology Remedial Teaching B.Sc III 2021-2022 **Syllabus Distribution**

Sr.No	Name of Teacher	Class	Syllabus Alloted
1.	Ms.V.V.Misal	B.Sc I	Gram staining
E. 22	and make the second	B.Sc III	Mode of action of :- Penicillin, Streptomycin, Cycloserine ,Griseofulvin
2.	Mr.S.D.Gabale	B.Sc I	Bacterial cell organisation
100	Market Commission	B.Sc II	Biostatistics
3.	Ms.S.A.Pise	B.Sc II	Growth phases
1 2	Marine States	B.Sc III	Properties of enzymes, Isoenzyme, Ribozyme, allosteric enzymes.
4.	Ms.S.V.Jadhav	B.Sc I	Capsule staining
4000		B.Sc II	Mutation
- B		B.Sc III	. Downstream Processing:- Chromatography, Filteration, Crystalisation, Distillation



- Shikshanmaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's

Vivekanand College (Autonomous), Kolhapur

Department of Microbiology Remedial Teaching B.Sc III 2021-2022 Syllabus

Total: 24 teaching hrs (1/2 hr).

• B.Sc I Remedial Syllabus :-

a.Staining Techniques – 1.Gram Staining
2.Capsule Staining

b. Bacterial Cell Organisation

B.Sc II Remedial Syllabus :-

- a. Growth phases
- b. Mutation
- 3. Biostatistics

• B.Sc III Remedial Syllabus :-

- a. Mode of action of :- Penicillin, Streptomycin, Cycloserine, Griseofulvin
- b. Downstream Processing :- Chromatography, Filteration, Crystalisation, Distillation
- c. Properties of enzymes, Isoenzyme, Ribozyme, allosteric enzymes.



- Shikshanmaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's

Vivekanand College (Autonomous), Kolhapur

Department Of Microbiology Remedial Teaching B.Sc III 2021-2022 List Of Students

Sr.No	Name of Students	Roll No.	Mob.No.	Sign
1	Bagade Karina Suraj	7813	8830610036	Finise
2	Balugade Siddhi Ananda	7814	937367 0 433	Sab.
3	Banage Anagha Avinash	7815	97350226611	QUAR
4	Ghadage Vaishnav Dharmraj	7822	8530425625	CLA
5	Kamble Shirish Sanjay	7825	0322855295	Stanble
6	Katale Mayur Manohar	7826	7499243335	and the same
7	Kesarwani Roma Baramdin	7827	9309821592	(R) B.IC
8	More Ruth Madan	7833	7420032824	771108L:
9	Pange Pratiksha Prabhakar	7836	9623150807	Storas
10	Wakrushe Divya Vitthal	7846	. 1023 130801	D WY WOO

- Shikshanmaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's

Vivekanand College (Autonomous), Kolhapur

Department of Microbiology Remedial Teaching B. Sc III 2021-2022 Presenty

Time :- 2.30- 3.00 p.m

Name of Students	Roll No.	17/1	1811	1811	19/1	2011	211	2111	2111	2111	2111	211	نامر
Bagade Karina Suraj	7813	0		Rha		1			vana	Man.		211	22/1
Balugade Siddhi Ananda	7814	Salo	Seib	Aub	26	Olb	Cab	0	Bank	DI	0	0	S CE
Banage Anagha Avinash	7815	AAB	AA3		AAR	DADE	AAD	-		ARS	0	0-	8ab
Ghadage Vaishnav Dharmraj	7822	本	娃	SI	the	Lite		H	It	H	1	11	
Kamble Shirish Sanjay	7825	Rubb	Rust	tally	Cell	Konble	- 4	trouble	Karble	strolly	A Doubl	et al	Day.
Katale Mayur Manohar	7826	R	do	d	do	X.	do	N.	D	0	Se .	0	Q.
Kesarwani Roma Baramdin	7827	S & K	(BBIE	(R)BIK	REC	(R) B.K	DBIK.	(B) A	(B) B.K	Dor.	Dor	6	8
More Ruth Madan	7833	Rumo	RMMORE	RMMoce	Shuos	-				Col War	- Mar	- NOE	AL ME
Pange Pratiksha Prabhakar	7836	- ange	Forge	Fange	B		10		15	3	5	Su.	Fora
Wakrushe Divya Vitthal	7846	Dwake	Dimer	Diwak	Ah s	1,1-	-,,_			-1		1 1	+
of teacher		MAA	VVM	SVJ	SDG								
	Bagade Karina Suraj Balugade Siddhi Ananda Banage Anagha Avinash Ghadage Vaishnav Dharmraj Kamble Shirish Sanjay \ Katale Mayur Manohar Kesarwani Roma Baramdin More Ruth Madan Pange Pratiksha Prabhakar Wakrushe Divya Vitthal	Balugade Siddhi Ananda Banage Anagha Avinash Ghadage Vaishnav Dharmraj Kamble Shirish Sanjay \ Katale Mayur Manohar Kesarwani Roma Baramdin More Ruth Madan Pange Pratiksha Prabhakar Wakrushe Divya Vitthal	Balugade Siddhi Ananda Banage Anagha Avinash Ghadage Vaishnav Dharmraj Kamble Shirish Sanjay Katale Mayur Manohar Kesarwani Roma Baramdin More Ruth Madan Pange Pratiksha Prabhakar Wakrushe Divya Vitthal of teacher	Balugade Siddhi Ananda Banage Anagha Avinash Ghadage Vaishnav Dharmraj Kamble Shirish Sanjay Katale Mayur Manohar Kesarwani Roma Baramdin More Ruth Madan Pange Pratiksha Prabhakar Wakrushe Divya Vitthal of teacher	Balugade Siddhi Ananda Banage Anagha Avinash Ghadage Vaishnav Dharmraj Kamble Shirish Sanjay Katale Mayur Manohar Kesarwani Roma Baramdin More Ruth Madan Pange Pratiksha Prabhakar Wakrushe Divya Vitthal of teacher	Bagade Karina Suraj Ro. 17/1 18/1 18/1 19/1 Balugade Siddhi Ananda Banage Anagha Avinash Ghadage Vaishnav Dharmraj Kamble Shirish Sanjay Katale Mayur Manohar Kesarwani Roma Baramdin More Ruth Madan Pange Pratiksha Prabhakar Wakrushe Divya Vitthal of teacher	Bagade Karina Suraj Ro. 17/1 18/1 18/1 19/1 20/1 Balugade Siddhi Ananda Banage Anagha Avinash Ghadage Vaishnav Dharmraj Kamble Shirish Sanjay Katale Mayur Manohar Kesarwani Roma Baramdin More Ruth Madan Pange Pratiksha Prabhakar Pange Pratiksha Prabhakar Wakrushe Divya Vitthal of teacher	Bagade Karina Suraj 7813 Roo. 1711 1811 1811 1911 2011 2111 Balugade Siddhi Ananda Banage Anagha Avinash Ghadage Vaishnav Dharmraj Kamble Shirish Sanjay Katale Mayur Manohar Kesarwani Roma Baramdin More Ruth Madan 7833 Roos Pange Pratiksha Prabhakar Wakrushe Divya Vitthal of teacher	Bagade Karina Suraj No. 17/1 18/1 18/1 19/1 20/1 21/1 24/1 Balugade Siddhi Ananda Banage Anagha Avinash Ghadage Vaishnav Dharmraj Kamble Shirish Sanjay Katale Mayur Manohar Kesarwani Roma Baramdin More Ruth Madan 7833 Pange Pratiksha Prabhakar Value Pange Pratiksha Prabhakar Value V	Bagade Karina Suraj Ro. 17/1 18/1 18/1 19/1 20/1 21/1 21/1 21/1 Balugade Siddhi Ananda Banage Anagha Avinash Ghadage Vaishnav Dharmraj Kamble Shirish Sanjay Katale Mayur Manohar Kesarwani Roma Baramdin More Ruth Madan 7833 Rome Pange Pratiksha Prabhakar Pange Pratiksha Prabhakar VM VVM SVJ SDG VVM LAMA SVJ SDG VVM SVJ SDG VVM LAMA SVJ SDG VVM LAMA SVJ SDG VVM SV	Balgade Karina Suraj Roll 181 181 191 201 211 2111 2111 2111 Balugade Siddhi Ananda Banage Anagha Avinash Ghadage Vaishnav Dharmraj Kamble Shirish Sanjay Katale Mayur Manohar Kesarwani Roma Baramdin More Ruth Madan 7833 Roman Pange Pratiksha Prabhakar Wakrushe Divya VVM VVM VVM VVM VVM VVM VVM VV	Balugade Siddhi Ananda Banage Anagha Avinash Ghadage Vaishnav Dharmraj Kamble Shirish Sanjay Katale Mayur Manohar Kesarwani Roma Baramdin More Ruth Madan Pange Pratiksha Prabhakar VMM VVM SVT SDG VVM VMM SVT SDG VVM SVM SVM SVM SVM SVM SVM SVM SVM SVM	Balugade Karina Suraj Ro. 17/1 18/1 18/1 19/1 20/1 21/1 21/1 21/1 21/1 21/1 21/1 21







- Shikshanmaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's

Vivekanand College (Autonomous), Kolhapur

Department of Microbiology Remedial teaching B.Sc III 2021-2022 Presenty

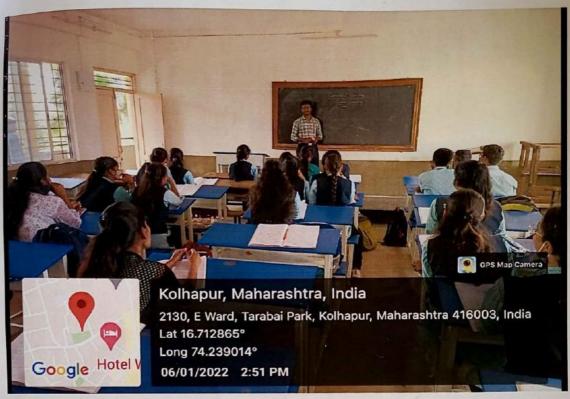
Lecture 2

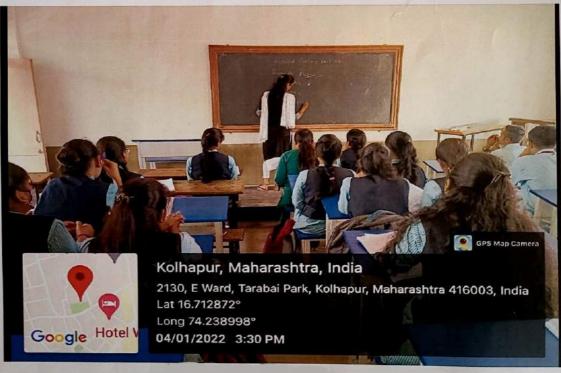
Time: - 3.30 - 4.00 p.m

-12-														
r. No	Name of Students	Roll No.	31/12	1 1	3 1	411	5/1	619	7 1	8/1	10 1	11 1	12 1	13 1
1	Bagade Karina Suraj	7813	(kg)	Jan	Con	War	Cane	· Jan	Com	Jan-	Con	صل	Con	Car
, 2	Balugade Siddhi Ananda	7814	Sab.	Sab.	Sab.	Sab.	8ab	Sab.	Sab.	Sab	Seb.	Sals	2010	Salo.
3	Banage Anagha Avinash	7815	ABB	MB	ALL	AB	98	ARB	Ab	ALL	A	AMB	ALL O	AME
4	Ghadage Vaishnav Dharmraj	7822	W.	9	8	4	3	9	*	d.	0	4	0	D
5	Kamble Shirish Sanjay	7825	Stable	Bulo e	Vade 8	Rolo	falle	1	Could	Calle	Rould	Bul	a trul	KEN.
6	Katale Mayur Manohar	7826	H)22	Place	Ace	B	· De	06	Mex	These	Obe	P 3	- J	2 81
7	Kesarwani Roma Baramdin	7827	BBK	@B.K	BBK	BB.1	BB.19	BBK	PBY	BB.K	(DB	NO B	RBB	HEE
6	More Ruth Madan	7833	INTER-	RAMA	BOLD	Zarie	RATION	RAME	RAMA	-SUM	RAIM	e Ry	F KAJA	MA A
9	Pange Pratiksha Prabhakar	7836	Spings .	gangs .	Spirit	Spirit	Stores.	Hongs	april4	Bongs	Spans.	* 300	学文	*
10	Wakrushe Divya Vitthal	7846	Mark	Marie	Briesk	- Shed	May	- Dur	- David	S West		EL SON	OY W	No S
			SAP	SVJ	SpG	SW	SDG	SAP	SAP	SVJ	St	G SA	p Sv	J 51



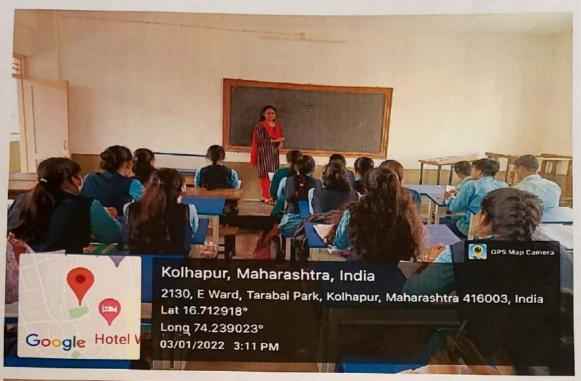
Remedial Coaching 2021-22

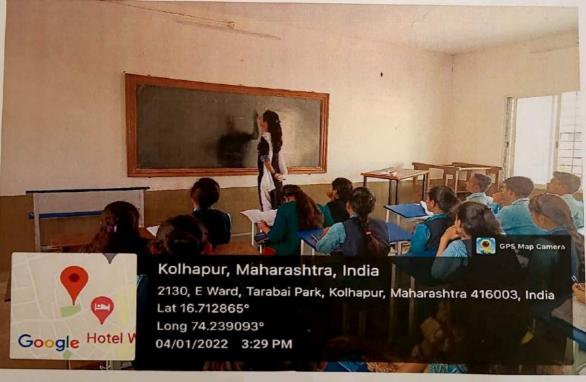






Remedial Coaching 2021-22







- Shikshanmaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's

Vivekanand College (Autonomous), Kolhapur

Department of Microbiology

Remedial Teaching Exam Notice

Date: 17/01/2022

All the students of B.Sc III Microbiology who were selected for Remedial Coaching For Slow Learners Scheme are hereby informed that the examination will be conducted on 21st January 2022.

Dissemination of Education for Knowledge, Science and Culture"
- Shikshanmaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's

Vivekanand College (Autonomous), Kolhapur

Remedial teaching examination 2021-2022

Class: B.Sc. III Subject: Microbiology

Time: 1 Hour

Total Marks: 40

Date- 21/01/2022

Name of stude	nt:		Roll number:			
Que. 1. Choose t	he most correct alter	native from given alter	rnatives.	40 marks		
1 is	a primary stain used	in Gram staining.				
a) Crystal violet	b) Basic fuchsin	c) Grams iodine	d) Saffranine			
2. Maneval's stai	ning technique is use	d to stain bacterial				
a) Cell wall	b) Flagella	c) Pilli	d) Capsule	and the same of		
3 i	s a locomotary organ	of bacteria.				
a) Cell wall	b) Flagella	c) Pili	d) Capsule			
4	is a site of protein	synthesis in bacteria.				
a) Mesosome	b) Ribosome	c) Nucleus	d) Cell membrane			
5. Decolorizing a	gent used in Gram sta	aining is				
) Basic fuchsin	b) Grams iodine	c) Saffranine	d) Alcohol			
5. In p	hase of growth, the	number of cells increa	creases gradually.			
a) Log	b) Lag	c) Stationary	d) Death			
7. In	phase of growth, th	e number of organism	ns remains constant.			
a) Lag	b) Log	c) Exponential	d) Death			
8. The mutation	n which purines are r	replaced by purines is	called			
a) Frameshift mu	tation b) Transver	rsion c) Transition	d) Missense muta	tion		
9. Bacterial cell d	ivides commonly by .	mecha	nism.			
a) Mitosis	b) Multiple fission	c) Sexual repro	oduction d) Binar	y fission		



10	of the following is also known as average value.	
a) Mode b) Me	lean c) Median d) None of these	
a) Wode 2)		
11	of the following inhibits cell wall synthesis.	
a) Streptomycin	d) Griseofulvin	
12	inhibits protein synthesis.	
a) Penicillin	b) Streptomycin c) Ampicillin d) Mepacrine	
13. Streptomyc	cin is produced by	
A) Penicillium s	spp. b) Bacillus sps. c) Streptomyces sps. d) All of these	
14. Recovery of	of alcohol is done by method.	
a) Centrifugatio	on b) Filtration c) Chromatography d) Distillation	The state of
	me which have more than one type of binding site is called	
	zymes b) Isozyme c) Abzymes d) Ribozymes	
	e that is chemically RNA is	
a) Ribozyme	d) Abzymes	
	al nature of enzyme is	
a) Lipid	b) Carbohydrate c) Protein d) Fatty acids	
	is recovered by crystallization method.	
a) Penicillin	b) Alcohol c) Amylase d) Wine	
	is used in filtration technique.	
a) Alum	b) Membrane filter c) Sedimentation tank d) Chromatography page	
20	is the example of chromatography technique.	iei –
a) Ion exchange	chromatography b) Membrane filatration d) Sedimenation d) All Sedimenation d)	

- Shikshanmaharshi Dr. Bapuji Salunkhe

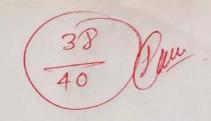
Shri Swami Vivekanand Shikshan Sanstha's

Vivekanand College (Autonomous), Kolhapur

Department of Microbiology Remedial teaching Examination 2021-2022 ATTENDANCE

Sr.No	Name of Students	Roll No.	Sign
1	Bagade Karina Suraj	7813	Cemin
2	Balugade Siddhi Ananda	7814	Sub.
3	Banage Anagha Avinash	7815	200
4	Ghadage Vaishnav	7822	0
	Dharmraj		
5	Kamble Shirish Sanjay	7825 (Seeles
6	Katale Mayur Manohar	7826	There
7	Kesarwani Roma Baramdin	7827	BB.K
8	More Ruth Madan	7833	Phrofe +
9	Pange Pratiksha Prabhakar	7836	Boids
10	Wakrushe Divya Vitthal	7846	Dwakensh





- Shikshanmaharshi Dr. Bapuji Salunkhe

Total Marks: 40

Shri Swami Vivekanand Shikshan Sanstha's

Vivekanand College (Autonomous), Kolhapur

Remedial teaching examination 2021-2022

Time: 1 Hour

Class: B.Sc. III Subject: Microbiology

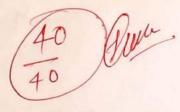
Date- 21/01/2022

	:Vaishnav Gl	nadge	Roll number:	8089.
ue. 1. Choose the	e most correct altern	ative from given alter	natives.	40 marks
is a	primary stain used i	n Gram staining.		a
Crystal violet	b) Basic fuchsin	c) Grams iodine	d) Saffranine	
. Maneval's stain	ing technique is used	l to stain bacterial		
Cell wall	b) Flagella	c) Pilli	d) Capsule	
is	a locomotary organ	of bacteria.		6
Cell wall	b) Flagella	c) Pili	d) Capsule	
	is a site of protein	synthesis in bacteria		6
) Mesosome	b) Ribosome	c) Nucleus	d) Cell membrane	
. Decolorizing ag	ent used in Gram sta	ining is		4
) Basic fuchsin	b) Grams iodine	c) Saffranine	d) Alcohol	
. In p	hase of growth, the	number of cells increa	ases gradually.	9
) Log	b) Lag	c) Stationary	d) Death	
. In	phase of growth, th	ne number of organism	ms remains constant.	O
) Lag	b) Log	c) Exponential	d) Death	
. The mutation i	n which purines are	replaced by purines is	s called	e
) Frameshift mu	tation b) Transve	rsion c) Transition	d) Missense mut	ation
). Bacterial cell d	ivides commonly by	mech	anism.	d
) Mitosis	b) Multiple fission	c) Sexual rep	roduction d) Bin	ary fission

			9
10	of the following is also	known as average value.	
	Mean c) Median d) N		Ca .
			-
11	of the following inhibit	ts cell wall synthesis.	
a) Streptomy	cin b) Penicillin	c) Cycloserine d) Griseofulvin	6
12	inhibits protein synth	nesis.	
a) Penicillin	b) Streptomycin	c) Ampicillin d) Menacrino	6
13. Streptomy	cin is produced by		
A) Penicillium	spp. b) Bacillus sps.	c) Streptomyces sps. d) All of these	e
	of alcohol is done by	······ method	
a) Centrifugati	ion b) Filtration	c) Chromatography d) Distillation	
	me which have more than	one type of hinding site is a unit	
	b) isozyme	c) Abzymes	- Q
10. The enzym	e that is chemically RNA is		
a) Ribozyme	b) Allosteric enzyn	ne c) Isazyme d) Ab-	a
17. The chemic	al nature of enzyme is		
a) Lipid	b) Carbohydrate	c) Protein d) Fatty aside	
18	is recovered by crystalli	zation method.	X
a) Penicillin	b) Alcohol	c) Amylase d) Wine	AC
19	is used in filtration techr	nique.	
a) Alum	b) Membrane filter	c) Sedimentation tank d) Chromate	ography pages
0	is the example of chrom	natography technique.	ographly paper
\$1,000 Table		The state of the s	

a) Ion exchange chromatography b) Membrane filatration d) Sedimenation d) All of these





- Shikshanmaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's

Vivekanand College (Autonomous), Kolhapur

Remedial teaching examination 2021-2022

Class: B.Sc. III

Date- 21/01/2022

Subject: Microbiology

-1101/2022	Time: I Hour	Total Marks: 40
Name of student: Pratiksha P	rabhakar Pange.	Roll number: \$103
Que. 1. Choose the most correct alter		40 marks
1 is a primary stain used	in Gram staining.	2
a) Crystal violet b) Basic fuchsin	c) Grams iodine d) Saffr	anine
2. Maneval's staining technique is use	d to stain bacterial	
a) Cell wall b) Flagella		a
3 is a locomotary organ	of bacteria.	
a) Cell wall b) Flagella	c) Pili d) Cap	sule
4 is a site of protein	synthesis in bacteria.	6
a) Mesosome b) Ribosome	c) Nucleus d) Cell	membrane
5. Decolorizing agent used in Gram sta	aining is	d
a) Basic fuchsin b) Grams iodine	c) Saffranine d) Alcoh	nol
6. In phase of growth, the	number of cells increases gradua	ally.
a) Log b) Lag	c) Stationary d) Deat	h
7. In phase of growth, th	e number of organisms remains	constant.
a) Lag b) Log	c) Exponential d) Dea	ith
8. The mutation in which purines are r	eplaced by purines is called	e
a) Frameshift mutation b) Transver	rsion c) Transition d) Mis	ssense mutation
9. Bacterial cell divides commonly by .	mechanism.	d
a) Mitosis b) Multiple fission	c) Sexual reproduction	d) Binary fission



10 of	the following is also	known as average v		6
a) Mode b) Mean		one of these		
a) Mode b) Mean	The second second			
11 of	the following inhibit	s cell wall synthesis.	A HEBE	b
a) Streptomycin	b) Penicillin	c) Cycloserine	d) Griseofulvin	
12 in	hibits protein synthe	esis.		6
a) Penicillin	b) Streptomycin		d) Mepacrine	
13. Streptomycin is p			J. Jakon S. Mari	e
A) Penicillium spp.	b) Bacillus sps.	c) Streptomyces sp	s. d) All of these	
14. Recovery of alcoh				d
a) Centrifugation	b) Filtration	c) Chromatography	d) Distillation	
15. The enzyme whi	ich have more than	one type of binding s	ite is called	a
a) Allosteric enzymes	b) Isozyme	c) Abzymes	d) Ribozymes	
16. The enzyme that is	chemically RNA is			9
a) Ribozyme	b) Allosteric enzyme	e c) Isozyme	d) Abzymes	And the
17. The chemical nature	e of enzyme is			
a) Lipid b) Carbohydrate	c) Protein	d) Fatty acids	
18 is reco	overed by crystalliza	ation method.		a
a) Penicillin b) Alcohol	c) Amylase	d) Wine	
19 is used	in filtration technic	que.		[b]
a) Alum b) Mer	mbrane filter	c) Sedimentation ta	nk d) Chromatogra	phy paper
20 is the	example of chroma	tography technique.		a
a) Ion exchange chromate	ography b) Memb	brane filatration d) s	Sedimenation d) All	of these

a) I



- Shikshanmaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's

Vivekanand College (Autonomous), Kolhapur

Remedial teaching examination 2021-2022

Class: B.Sc. III Subject: Microbiology

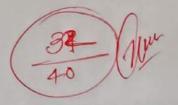
Date- 21/01/2022 Time: 1 Hour Total Marks: 40

Date 21/01/20		Time. I	Tioui		
Name of studer	nt: Anagha	Augnash	Banage	Roll number:	8082
Que. 1. Choose th	ne most correct a	Iternative from g	iven alternatives.		40 mark
1is	a primary stain u	sed in Gram stai	ning.		a
a) Crystal violet	b) Basic fuchsing	c) Grams	iodine d) Saff	ranine	
2. Maneval's stai	ning technique is	used to stain bad	cterial		d
a) Cell wall	b) Flagella	c) Pilli	d) Cap	sule	C
3i	s a locomotary or	gan of bacteria.			6
a) Cell wall	b) Flagella	c) Pili	d) Cap	sule	
4	is a site of pro	tein synthesis in	bacteria.		<u>b</u>
a) Mesosome	b) Ribosome	c) Nucle	us d) Cel	I membrane	
5. Decolorizing ag					1
			nine d) Alco		
6. ln p	hase of growth,		lls increases gradu	ıally.	0
a) Log	b) Lag		ary d) Dea		
7. ln			organisms remain		XO
a) Lag	- 100 m		ntial d) De		
			urines is called		
	tation b) Tran			lissense mutat	ion
			mechanism.		10
a) Mitosis	b) Multiple fiss	ion c) Sex	ual reproduction	d) Binary	fission



10 of the	he following is also	known as average v	alue.		
a) Mode b) Mean	c) Median d) No	one of these		8	
					2
11 of t	he following inhibit	s cell wall synthesis.			
a) Streptomycin	b) Penicillin	c) Cycloserine		6	
12 inl	hibits protein synth				
a) Penicillin	b) Streptomycin		d) Mepacrine	b	1
13. Streptomycin is pr			,,		
A) Penicillium spp.		c) Streptomyces s	ps. d) All of these		
14. Recovery of alcoh	ol is done by	method.			2
a) Centrifugation		c) Chromatograph	v d) Distillation	d	
15. The enzyme wh	ich have more than	one type of binding	site is called		
a) Allosteric enzymes	b) Isozyme /	c) Abzymes	d) Ribozymes	a	
16. The enzyme that i	s chemically RNA is	•••••	-,		
a) Ribozyme		ne c) Isozyme	d) Abzymes	a	
17. The chemical natu	are of enzyme is				
a) Lipid		c) Protein	d) Fatty acids	C	
18 is re				a	
a) Penicillin	b) Alcohol	c) Amylase	d) Wine		
19 is us	sed in filtration tech	nnique.		ax	1
a) Alum b) N	Membrane filter	c) Sedimentation	n tank d) Chromatog	graphy paper	
20 is t				Ja	
a) Ion exchange chror				All of these	





- Shikshanmaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's

Vivekanand College (Autonomous), Kolhapur

Remedial teaching examination 2021-2022

Class: B.Sc. III Subject: Microbiology

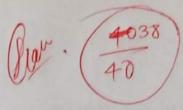
Date- 21/01/2022 Time: 1 Hour Total Marks: 40

Name of studer	nt: Ruth Mo	н.	Roll number:	8100
Que. 1. Choose the	he most correct altern	native from given alter	natives.	40 marks
1 is	a primary stain used	in Gram staining.		9
a) Crystal violet	b) Basic fuchsin	c) Grams iodine	d) Saffranine	
2. Maneval's stai	ning technique is use	d to stain bacterial		d
a) Cell wall	b) Flagella	c) Pilli	d) Capsule	
3i	s a locomotary organ	of bacteria.		15
a) Cell wall	b) Flagella	c) Pili	d) Capsule	1111
4	is a site of protein	synthesis in bacteria.		6
a) Mesosome		c) Nucleus	d) Cell membrane	
5. Decolorizing a	gent used in Gram sta	ining is		10
	b) Grams iodine		d) Alcohol	
	phase of growth, the r	number of cells increa	ses gradually.	CI
a) Log	b) Lag	c) Stationary	d) Death	
	phase of growth, th	e number of organism	s remains constant.	PX
a) Lag	b) Log	c) Exponential		
100	in which purines are r	eplaced by purines is	called	e
		rsion c) Transition	d) Missense mutat	ion
		mecha	nism.	d
a) Mitosis	b) Multiple fission	c) Sexual repro		fission



	of the following is also	known as average va	alue.	
a) Mode b) Mear		ne of these		
a) Mode b) Mear	9,111			
11	of the following inhibit	s cell wall synthesis.		6
a) Streptomycin	b) Penicillin	c) Cycloserine	d) Griseofulvin	
	inhibits protein synth	esis.		CX
a) Penicillin		c) Ampicillin	d) Mepacrine	*
****	s produced by			e
A) Penicillium spp.	b) Bacillus sps.	c) Streptomyces s	ps. d) All of these	
	cohol is done by			d
a) Centrifugation	b) Filtration			
15. The enzyme	which have more than	one type of binding	g site is called	a
a) Allosteric enzym	es b) Isozyme	c) Abzymes	d) Ribozymes	
16. The enzyme th	at is chemically RNA is	·		a
a) Ribozyme	b) Allosteric enzy	me c) Isozyme	d) Abzymes	
17. The chemical n	ature of enzyme is			e
a) Lipid	b) Carbohydrate	c) Protein	d) Fatty acids	
18 is	recovered by crysta	lization method.		a
a) Penicillin	b) Alcohol	c) Amylase	d) Wine	
300	used in filtration ted	hnique.		1
) Membrane filter	c) Sedimentati	on tank d) Chrom	atography paper
	s the example of chr	omatography techn	ique.	a
a) Ion exchange chr		1embrane filatratio	n d) Sedimenation	d) All of these
a) ion exchange cili	OmatoBrahm, 27			





- Shikshanmaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's

Vivekanand College (Autonomous), Kolhapur

Remedial teaching examination 2021-2022

Class: B.Sc. III Subject: Microbiology

Date- 21/01/2022 Time: 1 Hour Total Marks: 40

Name of studer	nt: Kasina Sur	saj Bagade	Roll number:	8080
Que. 1. Choose th	ne most correct alterr	native from given alter	rnatives.	40 marks
1is	a primary stain used	in Gram staining.		a
a) Crystal violet	b) Basic fuchsin	c) Grams iodine	d) Saffranine	
2. Maneval's stai	ning technique is used	d to stain bacterial		d
a) Cell wall	b) Flagella	c) Pilli	d) Capsule	
3i	s a locomotary organ	of bacteria.		6
a) Cell wall	b) Flagella	c) Pili	d) Capsule	
4	is a site of protein	synthesis in bacteria.		6
a) Mesosome	b) Ribosome	c) Nucleus	d) Cell membrane	
5. Decolorizing ag	gent used in Gram sta	ining is		d
a) Basic fuchsin	b) Grams iodine	c) Saffranine	d) Alcohol	
6. In	hase of growth, the r	number of cells increa	ses gradually.	×p
a) Log	b) Lag	c) Stationary	d) Death	
7. ln	phase of growth, th	e number of organism	ns remains constant.	la
a) Lag	b) Log	c) Exponential	d) Death	
8. The mutation	in which purines are r	eplaced by purines is	called	e
		rsion c) Transition		tion
9. Bacterial cell o	livides commonly by .	mecha	nism.	d
a) Mitosis	b) Multiple fission	c) Sexual repro	oduction d) Binar	y fission



10 of t	he following is also k	known as average va	lue.	
a) Mode b) Mean	c) Median d) No	ne of these		6
11 of t	he following inhibits	cell wall synthesis.		The state of the s
a) Streptomycin	b) Penicillin	c) Cycloserine	d) Griseofulvin	
12 in	hibits protein synthe	esis.		
a) Penicillin	b) Streptomycin	c) Ampicillin	d) Mepacrine	
13. Streptomycin is p	roduced by			
A) Penicillium spp.	b) Bacillus sps.	c) Streptomyces sp	s. d) All of these	
14. Recovery of alcoh	ol is done by	method.		
a) Centrifugation	b) Filtration	c) Chromatography	d) Distillation	
15. The enzyme wh	nich have more than	one type of binding	site is called	
a) Allosteric enzymes	b) Isozyme	c) Abzymes	d) Ribozymes	
16. The enzyme that i				
a) Ribozyme			d) Abzymes	
17. The chemical natu	re of enzyme is			
	b) Carbohydrate		d) Fatty acids	
18 is re	covered by crystalliz	zation method.		a
a) Penicillin	b) Alcohol	c) Amylase	d) Wine	Walk San
.9 is us	ed in filtration techr	nique.		6
) Alum b) M	embrane filter	c) Sedimentation	tank d) Chromatogra	aphy paper
0 is th	e example of chrom	atography technique	e.	a
) Ion exchange chrom	atography b) Mer	mbrane filatration	l) Sedimenation d) All	of these

Vivekanand College, Kolhapur. **Department of Microbiology**

Feedback For Remedial Teaching 2021-22

Date: - 21/01/2022

- · Name of student: Divya Vithal Wakeushe
- Roll No:- 7846 · Class:- B.Sc. I71
- · Feedback about Remedial teaching: This is very helpfull for us. this add knowledge.
- · Suggestions: COVEE more topies



Sign of student

Amerkells he

Vivekanand College, Kolhapur. **Department of Microbiology**

Feedback For Remedial Teaching 2021-22

Date: - 21/01/2022

- · Name of student: Roma Barramdin Kesarwani.
- Class:- B.Sc. III Roll No:- 8194
- · Feedback about Remedial teaching: Very helpful, Informative
- · Suggestions: keep going.



Shikshanmaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's

VIVEKANAND COLLEGE (AUTONOMOUS), KOLHAPUR

Department of Microbiology

Remedial teaching 2021-2022

REPORT

To offer learning support to students who are not doing well and fallen behind the rest of the class in any topic or subject, the department of Microbiology started 'remedial teaching classes'.

Total 10 students from B.Sc. III (Microbiology) class who received B+ grade or ATKT remark were selected for this remedial coaching class. The lectures were conducted from 31st December 2021 to 21st January 2022. Two lectures on the syllabus of B.Sc. I, II and III were conducted per day during 2.30pm to 4.00pm. During teaching more emphasis was given on the learning ability of student and their basic concepts. The assessment of students was done by conducting the examination on completed syllabus.

The faculty members as Ms. V. V. Misal, Mr. S. D. Gabale, Ms. S. A. Pise and Ms. S. V. Jadhav conducted the lectures under the guidance of Dr. G. K. Sontakke.

All the students were benefitted from this, as many of their basic concepts were cleared. So, this programme was successfully conducted.

