"Dissemination of Education for Knowledge, Science and Culture"

-Shikshanmaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's

VIVEKANAND COLLEGE, KOLHAPUR (AN EMPOWERED AUTONOMOUS INSTITUTION)

Department of Microbiology (UG)

Academie Year 2024-2025

Notice

Date -08/02/2025

All the students of B.Sc.-II are hereby informed that their Unit Test has been scheduled on 12/02/2025, Wednesday. Test will be of 10 marks. Hence all students are instructed to prepare accordingly. Attendance for test is compulsory to everyone. All students should remain present for test on time.

Title of paper	Date and Time	Venue	Topic
Paper VII	12/02/2025	Room no. 415	1. Definitions
Medical	10:30-11:00 am		2. Types Of Infection
Microbiology			3. Type Of Diseases
Unit I	1		



MCHEAD DEPARTMENT OF LITCROSIOLOGY VIVEKAHAND COLLEGE, KOLHAPUR (EMPOWERS O AUTONOMORIS)

Vivekanand College, Kolhapur (An Empowered Autonomous Institute)

B.Sc. Part- II(Microbiology) (Sem-IV) Unit Test: MARCH-2025

Paper V Medical Microbiology

Day: Wednesday Total Marks: 10

Q. 1	[]	Multiple Ch	oice Questions.				5 marks
1.	Th	ne infection tra	ansmitted from mo	ther to fetus via pl	acenta	is termed as	,
	a.	Secondary	b. Reinfection	c. Congen	ital	d. Iatrogenic	
2.	Im	ımunoglobulir	n produced in respo	onse to antigen are	called		
	a.	Antibodies	b. Toxin	c. Hapten	d. Va	accine	
3.	Αł	oility of organ	ism to produce dis	eases is called			
	a.	Virulence	b. Infection	c. Pathogenicity	d. Po	oisoning	
4.	In	fected individ	ual that are source	of infection are ca	lled as		
	a.	Carriers	b. Parasites	c. Fomites	d. Ved	etor	
5.		is	the number of cas	es of given disease	es in giv	ven time per unit	of population
	a.	Morbidity	b. Mortality	c. molality	d. Mo	orality	
Q.2	2]	Define.					2 marks
		apten nmunity					
Q.	3]	Short note (Any 1)				3 marks
1.	Ty	pes of disease	S				
2.	Inf	ection					



Vivekanand College, Kolhapur (An Empowered Autonomous Institute)

Department of Microbiology (UG)

Academic Year 2024-2025

Unit test B.Sc. II Sem IV

Presenty

Date - 12/00/2025

Time - 10.30-11.30 a.m.

Sr. No	Name of Student	Roll. No.	Sign	Marks
1	Mane Sakshi Manohar	7898	18_	06
2	Musute Bhagyashree D.	7899	Hosus	0.7
3	Rathi Sanjana Pavankumar	7900	0.1	0.7
4	Akkole Poonam Anil	7901	Grekens	06
5	Amane Aditya Avdhut	7902	A5	0.0
6	Bakale Poonam Raju	7903	Ab	
7	Bamane Durgesh Baban	7904	1 mis	-05
8	Dave Dhruv Govind	7905	Don't	05
9	Dongare Samruddhi Dattatry	7906	Simmare	0.6
10	Gole Samruddhi Dattatray	7907	85	
11	Gulabani Bhakti Amar	7908	Ab	_
12	Gurav Gouri Vidyasagar	7909	au	08
13	Jadhav Harshali Uttam	7910	bookel	0.7
14	Jadhav Prachi Ramesh	7911	Jadbas.	0.6
15	Jambhale Rajvardhan	7912	OME	_
16	Khatib Juyera Ilai	7913	skhalib-	0.6
17	Kadam kalyani Prakash	7914	Kaluto-	06
18	Kadatare Manthan Vinay	7915	No	
19	Kamble Sanika Nagesh	7916	Sample	06
20	Karalkar Hardik Arun	7917	- He	05
21	Kumbhar Rutuja Suresh	7918	OND CHA	05
22	Kumbhar Sanika Arjun	7919	Armhas	07
23	Mahadik Rajveer Suraj	7920	ast.	06
24	Mane Sanjana Dattatray	7921	AL	00
	Marathe Aradhana Satish	7922	-ASM-	07
	Matre Pooja Shankar	7923	DI2	-
	Mullani Sophiya wasimraja	7924	Opping .	04
	Nirankari Taruna Vishnudas	7925	A. C.	8
	Parit Amruta Eknath	7926	Ab	00
1	Patil Achal Bhaskar	7927	Assorti .	07

31	Patil Janhavi Ashok	7928	PRILL	06
32	Patil janhavi Nitin	7929	Ab	00
33	Patil Mrujala Maloji	7930	- Kleasta	07
34	Patil Priti Pramod	7931	- Fratil	OS
35	Patil Sanjyoti Ramchandra	7932	84215	04
36	Patil Swarup Ramchandra	7933	MS	0.0
37	Patil Vidula Manik	7934	Matel	07
38	Pawar Samiksha Santosh	7935	200	07
39	Pidwani Disha Jairamdas	7936	Dieter "	0.7
40	Pishte Sanika vijay	7937	Ab	00
41	Rode Kaveri Ravindra	7938	Dea	05
42	Shahapure Anirudha Uijaykumar	7939	A. U.Shahabar	04
13	Shaikh Jiya Ajij	7940	Ab.	0.6
14	Shaikh Sadiya Shakil	7941	Ab	0.0
15	Shetti Omkar Vidyasagar	7942	att.	02
16	Shinde Janhvi Nitin	7943	14	07
17	Suryavanshi Siddhi Satish	7944	- idalui -	0.7
8	Sutar Dhanashree Rajendra	7945	126	-
9	Swami Sanket Kalayya	7946	Finne	04
0	Teli Prajakta Namdev	7947	P.N. Teli	05
51	Ugave Sanika Kashinath	7948	SKUGAV	06
52	Chougale sakshi Rajesh	7970	Gadanagh:	06
53	Tanishka Rahul Divase	7966	Marker	06

Nome of Teacher - 1 Ms. M. M. Nadkarni







B. Sc. II UNIT TEST 2024-2025 – 12/02/2025



Vivekanand College, Kolhapur (An Empowered Autonomous Institute)

B.Sc. Part- III (Microbiology) (Sem-V) Unit Test: OCT-2024

Paper XII Industrial Microbiology

Date -: 03/09/2024 Time-: 12:00 am - 1:00pm

Day: Monday Total Marks: 20

Q.1] Attempt any 1 8 marks

1. Define microbiological assay and discuss in detail various method of Microbiological assay

- 2. Define strain improvement. Discuss in detail various methods of strain improvement.
- 3. Discuss in detail food as substrate for microorganism.
- 4. Discuss in detail Staphylococcal food poisoning.

Q.2] Short note (Any 3)

12 marks

- 1. Aflatoxin
- 2. Scale up
- 3. Lyophilization
- 4. Oxidation reduction
- 5. pH of food
- 6. Salmonellosis



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Shri Swami Vivekanand Shikshan Sanstha's

Vivekanand College, Kolhapur (Empowered Autonomous) Department of Microbiology (UG) Academic Year 2024-25

Test Presenty

PAPER 12 UNIT 1

SR.NO	and the second second	ROLL NO.	600000	
1	Bhosle Vedika Sudhir	8337	SIGN	MARK
2	Chavan Sanika Pradeep	8388		10
3	Choughle Sanika Vishnu	8389	-fanika	03
4	Dinde Ankita Rangrao	8390	SK.	- 11
5	Gaikwad Divya Sanjay	8391	ALD	09
6	Gaikwad Nikita Nandkumar	8392	(fairen)	
7	Gurav Mansi Sunil	9202	0	0.8
8	Hajare Aishwarya Ganesh	8393	a Ab	
9	Hardikar Yogi Ashutosh	8394	Shapre-	09
10	Jadhav Karan Dipak	8395	7 90 3	
11	Jadhav Vinayak Sanjay	8396	KoJadhav	0.3
12	Jasud Rutuja Tanaji	8397	Ab,	- 17
13	Jevrani Simran Anil	8398	Pasua.	06
14	Kachare Ishwari Pradeep	8399	Steveant	06
5	Kamat Sanskruti Santosh	8400	-	0.0
6	Khanvillan Aniali I	8401	Hamat	07
7	Khanvilkar Anjali Hemant Kharade Sanchit Sachin	8402	. Ab	0 1
8	Kharade Sanchit Sachin	8403	Sharale.	12
9	Khot Vaishnavi Jitendra	8404	Thor	
0	Korane Harshad Mahesh	8405	Kalina	10
1	Kulkarni Sai Vivek	8406	OAL	06
2	Lad Anjali Vijay	8407	Aud.	
772	Ligade Smeet Sunil	8408	Char A	10
3	Majgavkar Sanika Sagar	8409	0.1	11
4	Mali Prachi Sanjay	8410	Kapi Ka	10
5	Mane Rohan Baban	8411	COMPANS	_
6	Mujawar Aabida Altaf	8412	(parnane	10
7	Parulekar Diksha Devdatta	8413	- Minarian	12
8	Patil Avantika Arun	8414	terlieuc.	12
	Patil Kartigraj Bhagwan	8415	(A)	-
)	Patil Sammed Annaso	8416	tesfati'	9
1	Patil Sharwari Yuvraj	8417	Stratit.	08
		0417	Shati	0.8

32	Patil Suhani Sadashiv	8418	- SERVII	07
33	Powar Diya Kiran	8419	Ferror	08
34	Prabhu Savali Shivaji	8420	speching.	08
35	Shaikh Rijwan Firoj	8421	Bronze	11
36	Shelke Yogesh Balu	8422	Ab.	
37	Shewale Prithviraj Subhash	8423	Dunk	09
38	Sonule Sushant Krishnat	8424	Resont	13
39	Sutar Jayshri Krishnat	8425	Pate.	10
40	Todkar Nirjara Shivaji	8426	Hadleds	03
41	Wadkar Samrudhi Dhanaji	8427	Sanadras	10
12	Yadav Sushant Harishchandra	8428	Bung	10
13	Yatam Ashutosh Bhagvan	8429	AB4.	05
14	Harshe Arpita Ashok		Ab	
15	Shaikh Mushfira Balu		Alb	

Work

Name of Teacher -: Ms. M. M. NADKARNI





B. Sc. III SURPRISE TEST 2024-2025 – 03/09/2025



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Shri Swami Vivekanand Shikshan Sanstha's

Vivekanand College, Kolhapur (An Empowered Autonomous Institute)

Department of Microbiology

Academic Year 2024-2025

B. Sc. I Open Book Test

NOTICE

Date: 15/01/2025

All the students of B. Sc. I (Microbiology) are hereby informed that the open book test is scheduled on the syllabus of Paper III Basic Biochemistry (2DSC03MIC21) Unit II on 23/01/2025 at 12.45 pm in classroom no.315. All the students should attend the test in time.

VC HEAD DEPARTMENT OF MICROBIOLOGY WIVEKAHAND COLLEGE, KOLHAPUR (EMPOWERED AUTONOMOUS)



Shri Swami Vivekanand Shikshan Sanstha's

Vivekanand College Kolhapur (Empowered Autonomous)

Department of Microbiology

B. Sc. I

Open Book Test (Paper III Unit II)

Date: 23rd January, 2025

Sr. No.	Name of Student	Roll No.	Signature
	Teacher		
1	Ambale Riya Sunil	7469	Bambale
2	Ambale Siddhi Yuvraj	7470	AAMbdR
3	Balugade Vaishnavi Shahaji	7471	Westwoole
4	Bele Surbhi Vishal	7472	LS25%
5	Benake Madhura Shankar	7473	Ale
6	Chile Sanket Dattatray	7474	Sell.
7	Chougule Sanika Tanaji	7475	Ab
8	Dalavi Trailokya Nitin	7476	TINIO COE
9	Deshmukh Sanskruti Tanaji	7477	#shmukh
10	Ghosarawade Arati Ramachandra	7478	A
11	Gutte Tukaram Dattatrey	7479	99
12	Jadhav Parth Suhas	7480	Ab
13	Jagtap Anjali Shamrao	7481	Ab
14	Jamadar Saba Mirsahab	7482	Ab
15	Jamadar Sadiya Ibrahim	7483	Edway)
16	Kamble Antara Shesherao	7484	Askamble
17	Kambale ShawariBajorao	7485	A6
18	Khot Vaishnavi Rajaram	7486	NEW .
19	Kole Rajanandini Balasaheb	7487	Ab
20	Korane Sakshi Bhaskar	7488	Sikorane
20	Kulkarni Pratiksha Prashant	7489	Rukowi
21	Kumbhar Priyanka Dipak	7490	Rubba
22	Kumbhar Samiksha Sanjay	7491	A6
23	Mali Tanuja Ajit	7492	Anali

57	Singh Badal Kamalendra	7525	Zuday)
58	Sontakke Vaishnavi Vinayak	7526	
59	Thanekar Sanika Joytiram	7527	S.J. Thanekar.
60	Vasagade Shreya Jinendra	7528	Thursdaye





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Shri Swami Vivekanand Shikshan Sanstha's

Vivekanand College, Kolhapur (An Empowered Autonomous Institute)

Department of Microbiology

B. Sc. I Semester II

Paper III Basic Biochemistry (2DSC03MIC21)

Date: 23/01/2025

Time: 12.45 pm to 1.15 pm

Marks: 10

Q.1 What are lipids? Discuss in detail complex lipids with suitable examples.

[10]



Vivekanand College, Kolhapur (An Empowered Autonomous Institute) Department of Microbiology

B. Sc. I Semester II

Paper III Basic Biochemistry (2DSC03MIC21)

Open Book Test

RESULT

Date: 23/01/2025	Date:	23/01	/2025
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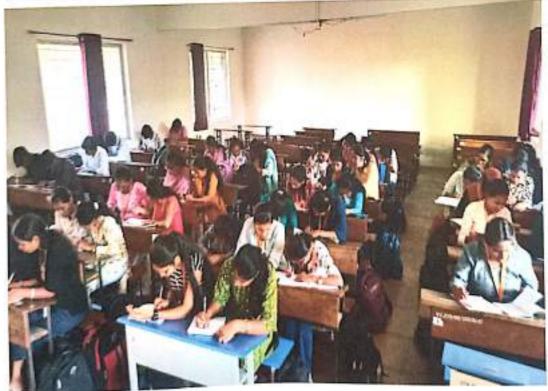
Sr. No.	Name of Student	Roll No.	Marks (Out of 10)
1	Ambale Riya Sunil	7469	10
2	Ambale Siddhi Yuvraj	7470	10
3	Balugade Vaishnavi Shahaji	7471	08
4	Bele Surbhi Vishal	7472	08
5	Chile Sanket Dattatray	7474	07
6	Chougule Sanika Tanaji	7475	08
7	Dalavi Trailokya Nitin	7476	10
8	Deshmukh Sanskruti Tanaji	7477	08
9	Ghosarawade Arati Ramachandra	7478	09
10	Gutte Tukaram Dattatrey	7479	10
11	Jadhav Parth Suhas	7480	Absent
12	Jagtap Anjali Shamrao	7481	Absent
13	Jamadar Saba Mirsahab	7482	Absent
14	Jamadar Sadiya Ibrahim	7483	10
15	Kamble Antara Shesherao	7484	09
16	Kambale ShawariBajorao	7485	Absent
17	Khot Vaishnavi Rajaram	7486	09
8	Kole Rajanandini Balasaheb	7487	Absent
9	Korane Sakshi Bhaskar	7488	09
0	Kulkarni Pratiksha Prashant	7489	08
0	Kumbhar Priyanka Dipak	7490	09
1	Kumbhar Samiksha Sanjay	7491	Absent
2	Mali Tanuja Ajit	7492	00
3 1	Mole Nikita Tanaji	7493	08
4 1	More Siya Kailas	7494	08
5 1	Nadaf Asiya Dastgir	7495	Absent

26	Nadaf Pinjari Tasneem Bhola	7496	10
27	Parit Haripriya Amar	7498	10
28	Parit Priti Anil	7499	09.
29	Patil Anuradha Rajaram	7500	Absent
30	Patil Jyoti Suresh	7501	09
31	Patil Raju Tanaji	7502	Absent
32	Patil Riya Uttam	7503	09
33	Patil Rutuja Ravsaheb	7504	Absent
34	Patil Saloni Gajkumar	7505	10
35	Patil Sanjivani Vishnu	7506	Absent
36	Patil Shreya Sunil	7507	09
37	Patil Unmesh Yashwant	7509	07
38	Patil Vaishnavi Dipak	7510	Absent
40	Pendhari Simran Mahamad	7511	10
41	Pol Gunjan Vijay	7512	09
42	Raul Gauri Pramod	7513	05
43	Sabale Aaditi Akaram	7514	07
44	Shinde Samruddhi Vijay	7515	10
45	Sutar Shweta Prabhakar	7516	09
46	Vhanmane Pranali Mhalappa	7518	10
47	Bhoje Adesh Chandrakant	7519	10
48	Dalvi Janhvi Ananda	7520	Absent
49	Gurav Varsha Tanaji	7521	07
50	Khot Nikita Tanaji	7522	10
51	Koli Divya Dilip	7523	09
52	Salunke Vaishnavi Ranjeet	7524	10
53	Singh Badal Kamalendra	7525	Absent
54	Thanekar Sanika Joytiram	7527	07
55	Vasagade Shreya Jinendra	7528	08

Dr. T. C. Gaupale

DEPARTMENT OF MICROSICLOGY YIVEKAMAND COLLEGE, KOLHAPUR (EMPOWERED AUTONOMOUS)





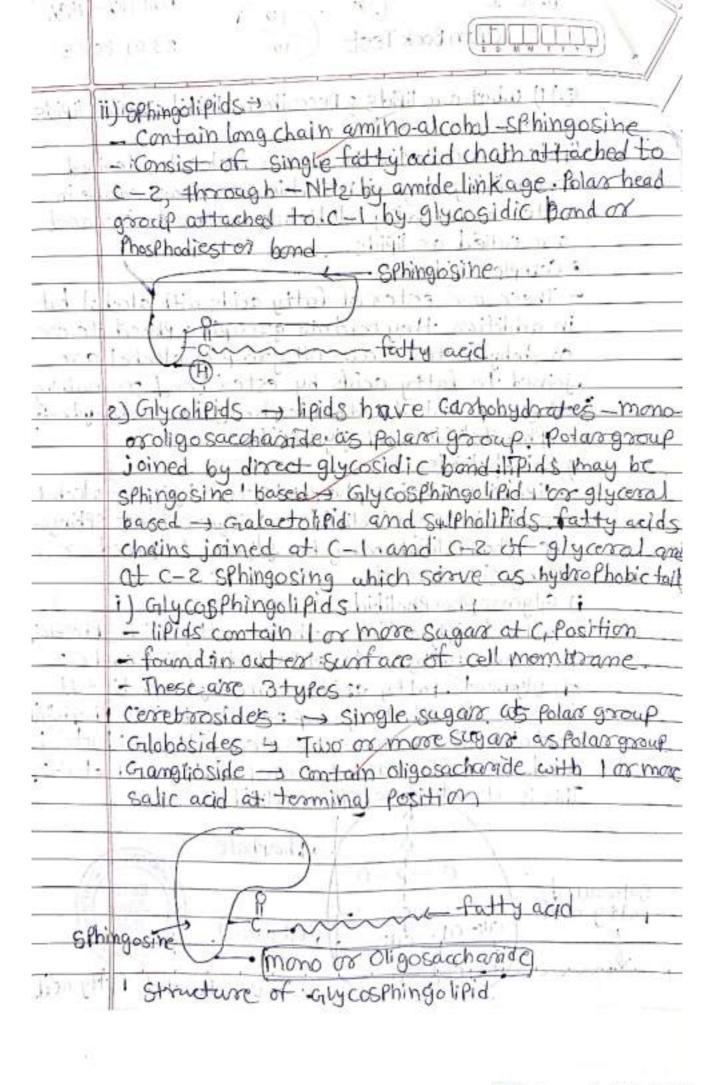
B. Sc. I Open Book test on 23 January 2025

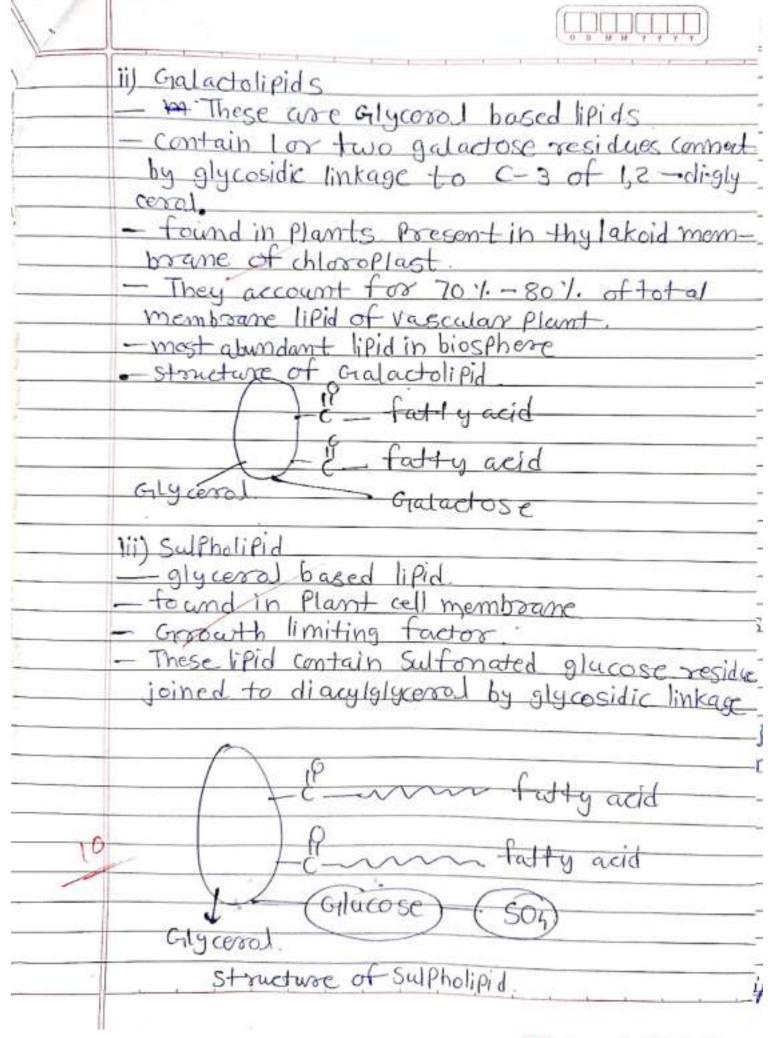






B.Sc-I ROII NO .- 7498 10 Open Book Test 23012025 Q.) 1) What are lipids of Describe in detail Complex lipids. lipids are collective term for molecules derived trom living organisms which are least soluble in water and readily soluble in nonpolar environment are called as lipids. O Complex lipids - These are ester of fatty acids with alcohal, but in addition they contain grouplike phosphote or carbohydrate. Two-OH group in alcohal are joined to fatty acids by ester bond remaining of group linked with phosphate or carbinydrate ex. iPhospholipids and glycolipids. 1) Phospholipids illimite to il i barrici - lipids contains phosphate two types of alcohol found in phospholipids -> Glyceral ar Sphingssine. Phospholipid may be glycoral based or sphingosine based: i) Glycerophospholibid: Light and 1 - Unlike + riglycerides - three fatty acids, Phosphile have two fatty acids attached at C-1 and C-2 of glycerod, fally acids forms hydrophobic tall Portion. Phosphate group attach at C-3 Phospholipid contain C16 or C18 saturated fally acid at -1 and CIR to Coo unsaturated fatty acid at C-2 This is structure of Phospholipid + PhosPhate Saturated fatty acid JUNE CHE-CH , Glycerol ografit. -Unsaturated





/	10
	GoodLuck Page No.
could	BSC-I - Open book test.
	Oate: 2310112025
	Sub: - Microbiology.
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	10 110 10
0.	what is me lipids? discribe in
	detail complex lipids:
	- The live of the collective form
	For molecules derived from living organisum which are least soluble
	mamisum which are least soluble
	0 0000000
7	- readily soluble in nonplor
	- a vily on on on l
-11 5	. This are aggregate due to
	This are aggregate due to hydrophobic interaction.
	The trade is a contract of the state of the
	- complex lipid.
31 11	- These are the ester of fatty acids
10000	alcohol. Dut in dudition.
	· they contain groups like phosphale
	or carbonydrate.
	The complex lipid generally contain prosphoras, nitrogen and sulphur.
	mosphowas, nitrogen and sulphin.
	Anna de la companya del companya de la companya de la companya del companya de la companya del companya de la companya de la companya de la companya de la companya del companya de la com
7	a) phospholipids.
north.	
	- these lipids comman price price - The two types of alcohole are
-114	Found in phospholiplus. That
	is glycerol do spring gosine.
	- The phospholipid may significant
	- The two types of alghore are Found in phospholipids. That is glycerol or sphin gosine The phospholipid may glycerol- based called as glyceropholipia
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Shri Swami Vivekanand Shikshan Sanstha's

VIVEKANAND COLLEGE, KOLHAPUR

(An Empowered Autonomous Institute)

Department of Microbiology

Academic Year 2024-2025

B. Sc. III Unit Test I

NOTICE

All the students of B. Sc. III (Microbiology) are hereby informed that the Unit test I is organized on the Unit I, Virology on 6th Jan., 2025 at 10.30am in classroom no. 415. All the students should attend in time.

IC HEAD DEPARTMENT OF MICROSIOLOGY VIVEKANAND COLLEGE, KOLHAPUR (EMPOWERED AUTONOMOUS)



Vivekanand College, Kolhapur (Empowered Autonomous)

Department of Microbiology Academic Year 2024-25 B. Sc. III Unit Test I

Paper XIII Virology

Date: 06/01/2025

Sr. No	Student name	Roll No.	Sign	
1	Bhosle Vedika Sudhir	8387	Licetians	
2	Chavan Sanika Pradeep	8388	Ab	
3	Chougale Sanika Vishnu	8389	Sc.	
4	Dinde Ankita Rangrao	8390	A.P.D	
5	Gaikwad Divya Sanjay	8391	AL	
6	Gaikwad Nikita Nandkumar	8392	Aliku	
7	Gurav Mansi Sunil	8393	AL	
8	Hajare Aishwarya Ganesh	8394	At	
9	Hardikar Yogi Ashutosh	8395	A-6	
10	Jadhav Karan Dipak	8396	Ab	
11	Jadhav Vinayak Sanjay	8397	AG ,	
12	Jasud Rutuja Tanaji	8398	Gasua	
13	Jevrani Simran Anil	8399	AB	
14	Kachare Ishwari Pradeep	8400	Shurrel	
15	Kamat Sanskruti Santosh	8401	Ab	
16	Khanvilkar Anjali Hemant	8402	n Ab	
17	Kharade Sanchit Sachin	8403	Divile.	
18	Khot Vaishnavi Jitendra	8404	Merot.	
19	Korane Harshad Mahesh	8405	AA	
20	Kulkarni Sai Vivek	8406	AL	
21	Lad Anjali Vijay	8407	Aug.	
22	Ligade Smeet Sunil	8408	A%.	
23	Majgavkar Sanika Sagar	8409	Striky_	
24	Mali Prachi Sanjay	8410	Ab	
25	Mane Rohan Baban	8411	M	
26	Mujawar Aabida Altaf	8412	Minusarar	
27	Parulekar Diksha Devdatta	8413	AL	
28	Patil Avantika Arun	8414	A4	
29	Patil Kartikraj Bhagwan	8415	Ab.	
30	Patil SammedAnnaso	8416	@cpall	
31	Patil Sharwari Yuvraj	8417	Mill	
32	Patil Suhani Sadashiv	8418	11892	
33	Powar Diya Kiran	8419	Toron,	
34	Prabhu Savali Shivaji	8420	As-bly	





25	Shaikh Rizwan firoj	8421	Karalkh
35		8422	AL.
36	Shelke Yogesh Balu	8423	O Ab
37	Shewale Prithviraj Subhash	8424	
38	Sonule Sushant Krishnat		Alones
39	Sutar Jayshri Krishnat	8425	AL
40	Todkar Nirjara Shivaji	8426	A6
41	Wadkar Samrudhi Dhanaji	8427	Sanadka
42	Yaday Sushant Harishchandra	8428	AL
43	Yatam Ashutosh Bhagvan	8429	Ab
44	Harshe Arpita		AL

Teacher : Mr. S. D. Gabale-

VIVEKANAND COLLEGE, KOLHAPUR

(An Empowered Autonomous Institute)

Department of Microbiology

B. Sc. III Unit Test I

Date: 06/01/2025

Marks: 20 Time: 1 Hour

Q.1 Define capsid. Explain in detail types of capsid with suitable examples.

(10M)

Q. 2 Attempt any Two

(10M)

- i. Prions
- ii. One step growth experiment
- iii. Viral nucleic acid



VIVEKANAND COLLEGE, KOLHAPUR

(An Empowered Autonomous Institute)

Department of Microbiology

B. Sc. III

Virology Unit Test I

RESULT

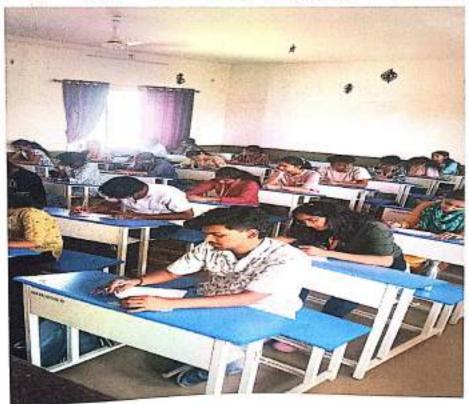
Sr. No	Student name	Roll No.	Marks (Out of 20)	
1	Bhosle Vedika Sudhir	8387	10	
2	Chavan Sanika Pradeep	8388	Absent	
3	Chougale Sanika Vishnu	8389	16	
4	Dinde Ankita Rangrao	8390	15	
5	Gaikwad Divya Sanjay	8391	Absent	
6	Gaikwad Nikita Nandkumar	8392	12	
7	Gurav Mansi Sunil	8393	Absent	
8	Hajare Aishwarya Ganesh	8394	Absent	
9	Hardikar Yogi Ashutosh	8395	Absent	
10	Jadhav Karan Dipak	8396	Absent	
11	Jadhav Vinayak Sanjay	8397	Absent	
12	Jasud Rutuja Tanaji	8398	12	
13	Jevrani Simran Anil	8399	Absent	
14	Kachare Ishwari Pradeep	8400	14	
15	Kamat Sanskruti Santosh	8401	Absent	
16	Khanvilkar Anjali Hemant	8402	Absent	
17	Kharade Sanchit Sachin	8403	Absent	
18	Khot Vaishnavi Jitendra	8404	12	
19	Korane Harshad Mahesh	8405	Absent	
20	Kulkarni Sai Vivek	8406	Absent	
21	Lad Anjali Vijay	8407	07	
22	Ligade Smeet Sunil	8408	Absent	
23	Majgavkar Sanika Sagar	8409	14	
24	Mali Prachi Sanjay	8410	Absent EST 15 JUN 196	
25	Mane Rohan Baban	8411	Absent EST	
26	Mujawar Aabida Altaf	8412	15 JUN 196	

27	Parulekar Diksha Devdatta	8413	Absent
28	Patil Avantika Arun	8413	Absent
3337		8414	Absent
29	Patil Kartikraj Bhagwan	8415	Absent
30	Patil SammedAnnaso		
31	Patil Sharwari Yuvraj	8416	12
		8417	13
32	Patil Suhani Sadashiv	8418	12
33	Powar Diya Kiran	8419	10
34	Prabhu Savali Shivaji	Septime 1	
9/41		8420	Absent
35	Shaikh Rizwan firoj	8421	11
36	Shelke Yogesh Balu	8422	Absent
37	Shewale Prithviraj Subhash	8423	Absent
38	Sonule Sushant Krishnat	8424	15
39	Sutar Jayshri Krishnat	8425	Absent
40	Todkar Nirjara Shivaji	8426	Absent
41	Wadkar Samrudhi Dhanaji	8427	15
42	Yadav Sushant Harishchandra	8428	Absent
43	Yatam Ashutosh Bhagvan	8429	Absent
44	Harshe Arpita		Absent



DEPARTMENT OF MICROBIOLOGY VIVEKANAND COLLEGE KOLHAPUR (EMPOWERED AUTOHOMOUS)





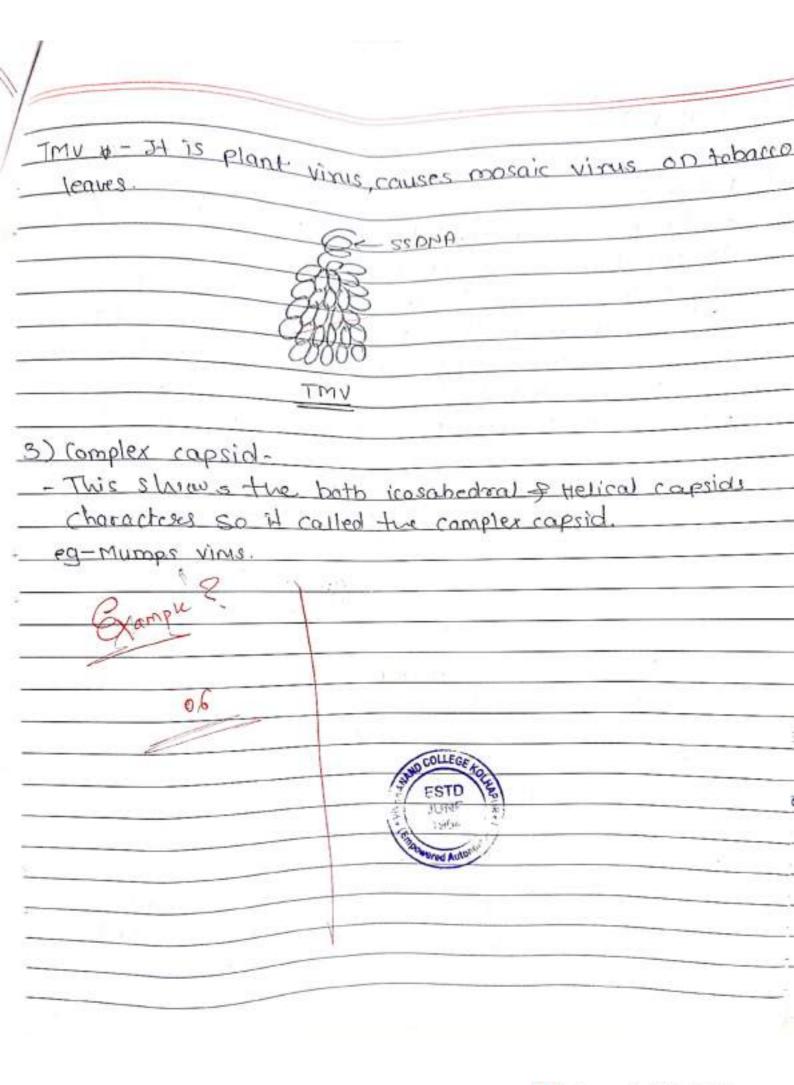
B.Sc. III Unit Test (Virology) on 06/01/02025





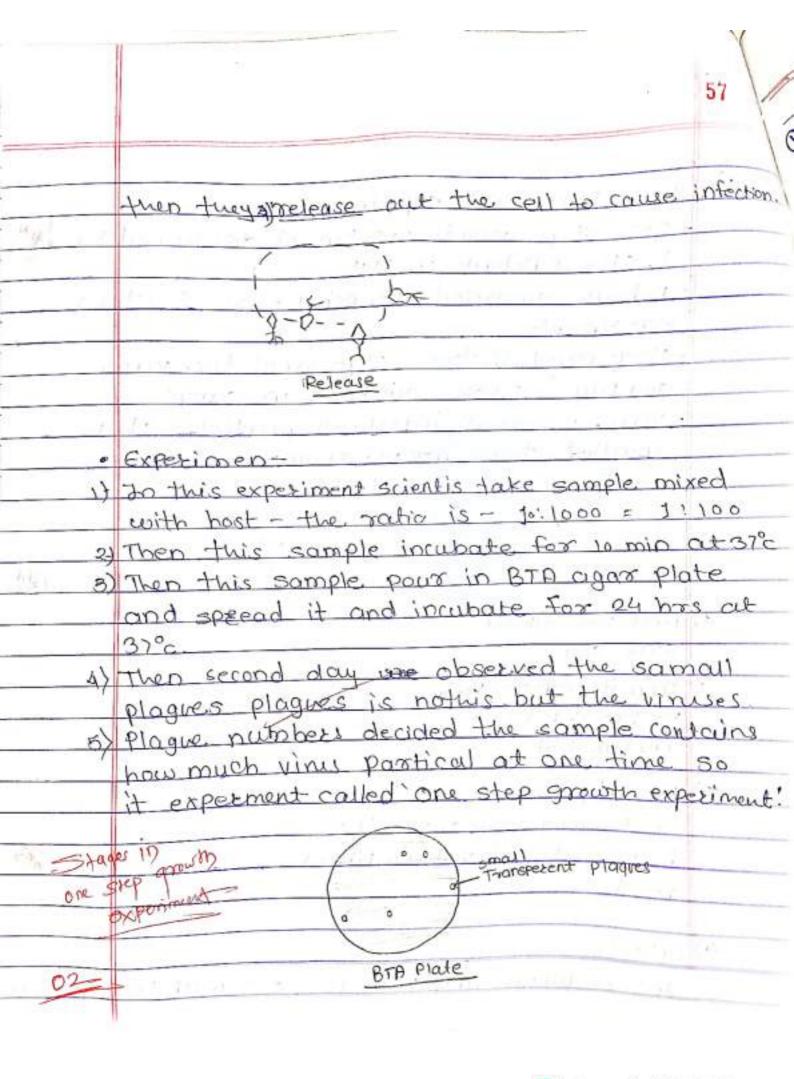
2.1	Define capsid explain in detail types of capsid with suitable examples
0.2	Attempt any two- (20 (4 marks)
\dashv	1) Prions
	2) one step growth experiment.
	3) viral Nucleic acid
31)	-Capsid is outer layer made up of small unit of capsamer - capsamer made up of # proteins.
	- The small unit of capsomers produce capsid
	- The one protein present in there then the capsomers
	produces are equivalent
	- The two protein present there twen the capsomer
	and produces are not equivalent.
	-There are 3 types of capsids are as follows-
	1) Icosahedral capsid
	e) Helical Capsid
	3) Complex capsid ESTD ESTD
	JUNE) R
	1) I cosahedra Capsid-
	- In this capsid capsid shows spherical symmetry
	so it is called icosaberdral or spherical symmetry
	- This capsid have 36 Faces in 30 they shows teleface
	- Corners are 6 in 30 they shows 12 comers.
do.	- Edges are (4.)
74	- The small upit of capsomer made up of 7 protein
	The small at a categories wade up of 3 protein

There are two types of Iroscahedron - Polymer - Pentamer or Pentah & Hexamer - in Pentamez icosahedron 5 comess at icosahedron and in Hexames there are 6 edges and triangular Faces. It infects The C4 & macrophages example of capsid (Icosahedral) - TMV. TMV-13 Donenveloped or enveloped -This is plant virus it infects the Tobacco plant & Form mossaic structure. zmmuno deficiency Urrus. SS DNA + somscripted Cappia 2) Helical capsid Rod symmetry In this capsid capsomer shows Helical shape or rod symmetry so it called Helical capsid' There are two types of viral capsid one is nacked capsid or enveloped - This capsid define the length of genome - Example of Helical capsid is MJV.



g.2 Short Note-1) Prions -- Prions is a misfolded protein that take ability to infects or causes infection. - Prion mostly infectious causes in mammals - 3+ is aprotein that wrongly folded so it's Function get changes and cave infection and it act or infects the neavous system. - Prions are nothing but infectious protein (in sheep) normal protein imostly in helical shape Prions - It is obligate intracellular parasites - It affects the boain. Its incubation period is slow so it causes Slowly - Incubation period of prior is several months or years also. - Priors slowly causing. : Prior name meaning - infectious proteins hey converts the protein into prions which met are present in out pervous system.

a) one step growth experiment-- one step growth experiment discovered by L. Elis & Debruk in 1991 - Debruk awarded the nobel prize For this experiment. - They proof in that experiment the virus quantity or vinus numbers, in sample - Virus is small infectional particles it is smalled than micro-organisms tri-rachemint Assembly 3) first virus adjached to the cell. 2) Then it transfectnein on genetic materia through tail. 3) Assembly -In Assembly virus makes the body parts like tail, fibers read 4) Lysis-In this phase vinus lyse the sell with their pressure.



"Dissemination of Education for Knowledge, Science and Culture"

-Shikshanmaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's

VIVEKANAND COLLEGE, KOLHAPUR(EMPOWERED AUTONOMOUS)

Department of Microbiology

Academic Year 2024-2025

Notice for BSc I

Date -23/08/2024

All the students of B.Sc. I are hereby informed that their **Unit Test** has been scheduled on 30/08/2024, Friday. Syllabus for unit test will be Bacteriology Unit II CONTROL OF MICROORGANISMS. Test will be of 20 marks. Hence all students are instructed to prepare accordingly. Attendance for test is compulsory to everyone. All students should remain present for test on time.



Dr. G. K. Sontakke
HEAD
DEPARTMENT OF MICROBIOLOGY
VIVEXANAND COLLEGE, KOLHAPUR
"FMPONVERED AUTONOMOUS"

-ShikshanmaharshiDr. Bapuji Salunkhe

Shri Swami VivekanandShikshan Sanstha's

VIVEKANAND COLLEGE, KOLHAPUR (EMPOWERED AUTONOMOUS)

Department of Microbiology

Academic Year 2024-2025

BSc I

Question Paper for Unit Test

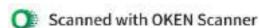
Unit II Control of Micro-organisms

Instructions: 1) All the questions are compulsory.

- 2) Figures to the right indicate full marks.
- 3) Draw neat labelled diagrams wherever necessary.

Time: 1 hour	

Que. 1 Select correct alternative. (8)
i) is the condition in which growth of micro-organism is prevented.
a)Antisepsis b)Sanitization c)Microbiostasis d)Sanitization
ii)Filtration isof micro-organism from any liquid making them free of micro-organism.
a) Killing b)Destruction c)Disruption d)Removal
iii) Gamma radiations are high energy radiations, normally obtained from radioactive substance like
a) Cobalt so b)Radon c)Polonium d)Radium
iv)The wavelength of UV rays used in sterilization has highest microbicidal action.
a)260 nm b)390 nm c)265 nm d)300 nm
v)HEPA filters are employed in
a)Autoclave b)laminar air flow c)Hot air sterilizer d)Seitz filter
vi)Tincture of iodine contains iodine in water ethanol solution of potassium lodide.
a)2% b) 1% c)2% or more d) 2% or less.
vii)Heavy metals kills microbes by binding to
a)Proteins b)Nucleic acid c)Lipids d)ribosomes
viii)lining in incubators help reduce contamination of cell cultures. a) Silver b)Mercury c)Aluminium d)Copper ESTD
a) Silver b)Mercury c)Aluminium d)Copper



Total Marks: 20

- Que. 2 Attempt any One. (8)
- Describe in detail use of temperature as a physical agent for control of micro-organisms.
- Describe in detail radiations in control of micro-organisms.
- Que. 3 Attempt anytwo. (4)
- i)Pasteurization
- ii) Membrane Filter

Name-Surabhi vishal Bele 30/08/24 Roll. no - 7472 Microbiology -> control of Micro-organisms. (152) + dot Inin hold physical agents are brequently used bor control of micro-organis are temperature. (heat) , osmotic pressure, Padiations, title -rations - - sur interfer de barrel 10 . Temperature :- Temperature is the most use method to control of micro-organisms. & It's ettectiveness is evaluated in different was THE BOTH OF THE PARTY OF THE STATE OF THE STATE OF THE Thermal Death time & the D-value are the part of to measure logarithmic growth ot micro- organisms. The temperature method is used to such beated equipments to control micro-organisms to stand of head . O Moist head . @ dessical Dry heat :- It is the best, useful meth to control microenganisms, Dry heat (Abser of water or moisture) is achieved by 'had a bright ovap in appoint the contraction of construction :- It has a walls & 2 air spaces & it is outer side covered with ashestos layer which prevents radiation ob breat air is heated by relection currents sit is cloculated through conv - rection currends, it is operated normally. pocource at 160 to 1800 tor too 12 bx ESTO / Techanism of actions - Microbial growth JUNE & Prevantly results trom oxidation of crell constituents & degraded protuins.

after sterilization it is stored in low temperaturement to mit lovivous of However, some dainy industrius used ultratigh temperateure (UHT) and milks rexposed to the 140 to 150°C, and abter stemlization it is stored in room temp without changing the blandur ... - I half a street - - 1 hand work or of not to me to the - B Membrane tiltures - Made up ot Biological innert .. pon-reactive material like cellulosse easters reg. cellulosse acretates cullulose nitrate retc. It is a then, ment - renous, circular porous structure usual 12 ot 150 un and 00 en sized tilterois used to tiltered repetative ciells. It is very useful and easy to handle & have low retension capacity. - Mechanismot action: - Removal of miles by physical screening uses ! - used in pharmacunticals & culture mediams, reter tiltered without distruction but it is used Scanned with OKEN Scanner

	C Page C
9.1	
10	of micro-organisms prevents.
10	tilteration is @ Removal of microbes trom
(B)	The second secon
	The@reanmwavelength of HV rays used in Sturilization has highest microbial action.
®	HEPA tilture are employed in @ Lominar air
©	Tincture of iodine containsor ormoreiodine in water rethanol soll of potassium iodide.
0	Oprotuins. Bills microbus by binding to
\$ C	Silver. lining in incubations help to reduce contamination of cell cultures.
een	COULTER
	ESTO JUNE 1964
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VIVEKANAND COLLEGE, KOLHAPU(EMPOWERED AUTONOMOUS)

Department of Microbiology

Academic Year 2024-2025

Unit Test Attendance for BSc I

Date:30/08/2024

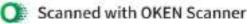
Teacher Name: Ms. S. S. Shaikh

F66 25, 2024, 20

Shailebet.

Sr.no	Name of the student	Roll no.	Signature
1.	Ambale Riya Sunil	7469	Ab
2.	Ambale Siddhi Yuvraj	7470	Ab
3.	Balugade Vaishnavi Shahaji	7471	usalugade
4.	Bele Surbhi Vishal	7472	Lill Color
5.	Chile Sanket Dattatray	7474	PB
6.	Chougule Sanika Tanaji	7475	Ab
7.	Dalavi Trailokya Nitin	7476	P.N.D.Cel
8.	Deshmukh Sanskruti Tanaji	7477	Estruka
9.	Ghosarawade Arati Ramachan	7478	Ab
10.	Gutte Tukaram Dattatrey	7479	Amust
11.	Jadhav Parth Suhas	7480	Ab
12.	Jagtap Anjali Shamrao	7481	Ab
13.	Jamadar Saba Mirasahab	7482	Sales
14.	Jamadar Sadiya Ibrahim	7483	Line
15.	Kamble Antara Shesherao	7484	Askanlole
16.	Kamble Sharwari Bajirao	7485	Alb
17.	Khot Vaishnavi Rajaram	7486	Ab
18.		7487	Ab
19.	Korane Sakshi Bhaskar	7488	Ekorone





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20	. Kulkarni Pratiksha Prashant	7489	Ab
21	Kumbhar Priyanka Dipak	7490	Rusher
22	Kumbhar Samiksha Sanjay	7491	Ab
23	Mali Tanuja Ajit	7492	Anali
24.	. MoleNikitaTanaji	7493	Nimole
25.	More Siya Kailas	7494	Ab
26.	Nadaf Asiya Dastgir	7495	-Asiyer.
27.	Nadaf Pinjari Tasneem Bhola	7496	Ab
28.	Palkar Vaishnavi Prakash	7497	Ah
29.	Parit Haripriya Amar	7498	Ab
30.	Parit Priti Anil	7499	Ph
31.	Patil Anuradha Rajaram	7500	Pb.
32.	Patil Jyoti Suresh	7501	Just
33.	Patil Raju Tanaji	7502	1 PL
34.	Patil Riya Uttam	7503	Ab
35.	Patil Rutuja Ravsaheb	7504	Ab
36.	Patil Saloni Gajkumar	7505	souri
37.	Patil Sanjivani Vishnu	7506	OL
38.	Patil Shreya Sunil	7507	Ab
39.	Patil Shubhangi Uattam	7508	Ab
40.	Patil Unmesh Yashwant	7509	Ab
41.	Patil Vaishnavi Dipak	7510	Satil
42.	Pendhari Simran Mahamad	7511	SOF-
43.	Pol Gunjan Vijay	7512	Ab
44. 1	Raul Gauri Pramod	7513	Ab
45.	Sabale Aditi Akaram	7514	Zahale-
46. 5	Shinde Samruddhi Vijay	7515	s.v.shinde
47. 5	Sutar Shweta Prabhakar	7516	Ab
48. 7	Thombare Shruti Vinayak	7517	Ab
49. \	/hanmane Pranali Mhalappa	7518	(Phanman
50, E	Bhoje Adesh Chandrakant	7519	£23.
51. E	Dalvi Janhvi Ananda	7520	Ab
52. C	iurav Varsha Tanaji	7521	Ab



	Khot Nikita Tanaji	7522	Ab
54.	Koli Divya Dilip	7523	Palie
55.	Salunke Vaishnavi Ranjeet	7524	Ab
56.	Singh Badal Kamalendra	7525	10
57.	Sontakke Vaishnavi Vinayak	7526	# ontake
58.	Thanekar Sanika Jotiram	7527	SIThanevat
59.	Vasagade Shreya Jinendra	7528	Dagazalo

Dr. G. K. Sontakke HEAD DEPARTMENT OF MICROBIOLOGY VIVEKANAND COLLEGE, KOLHAPUR (EMPOWERED AUTONOMOUS)



-Shikshanmaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's

VIVEKANAND COLLEGE, KOLHAPUR (EMPOWERED AUTONOMOUS)

Department of Microbiology

Academic Year 2024-2025

Result Analysis for Unit Test of BSc I

Date :31/08/2024

Teacher Name: Ms. S. S. Shaikh

Faible

Sr.no	Name of the student	Roll no.	Signature	Marks
1.	Ambale Riya Sunil	7469	Ab	
2.	Ambale Siddhi Yuvraj	7470	N.	
3,	Balugade Vaishnavi Shahaji	7471	Walugade	7
4.	Bele Surbhi Vishal	7472	e die	16
5.	Chile Sanket Dattatray	7474	Ab	1.0
6.	Chougule Sanika Tanaji	7475	nt.	_
7.	Dalavi Trailokya Nitin	7476	T.N.Ou	6
8.	Deshmukh Sanskruti Tanaji	7477	Damukh	
9.	Ghosarawade Arati Ramachan	7478	Ab	
10.	Gutte Tukaram Dattatrey	7479	Etway.	-
11.	Jadhav Parth Suhas	7480	AL	0
12.	Jagtap Anjali Shamrao	7481	Ab	_
13.	Jamadar Saba Mirasahab	7482	Sabor	^
14.	Jamadar Sadiya Ibrahim	7483	wine	2
15.	Kamble Antara Shesherao	7484	@skomble	9
16.	Kamble Sharwari Bajirao	7485	AL	
17.	Khot Vaishnavi Rajaram	7486	AL	
material Edition of	Kole Rajnandini Balasaheb	7487	Ah	
19	Korane Sakshi Bhaskar	7488	(Blowing	2



20.	Kulkarni Pratiksha Prashant	7489	Nb	
21.	Kumbhar Priyanka Dipak	7490	Robbus	3
22.	Kumbhar Samiksha Sanjay	7491	Ab	
23.		7492	Anali	4
24.		7493	Nrnas.	8
25.	More Siya Kailas	7494	Ab	
26.	The state	7495	-Asiya	5
	Turnaram Bhala	7496	Ab	_
27.	27 t t Deal ach	7497	Ab	
28.	A state	7498	Ab	
30.		7499	Ab	
31.	Patil Anuradha Rajaram	7500	Ab	
32.	Patil Jyoti Suresh	7501	- fusi-	4_
33.		7502	Ab	
-	Patil Riya Uttam	7503	Ab	
200	Patil Rutuja Ravsaheb	7504	Ab	
36.	and the second	7505	SCOHOL	6
37.	1. 1.11-1	7506	Ab	-
38.	e 31	7507	Ab	_
39.	Patil Shubhangi Uattam	7508	Ab	
	Patil Unmesh Yashwant	7509	Ab	
41.	PatilVaishnaviDipak	7510	Satis	4
42	Pendhari Simran Mahamad	7511	SOR	3
43.	Pol Gunjan Vijay	7512	Ab	
44.	Raul Gauri Pramod	7513	Ab	
45.	Sabale Aaditi Akaram	7514	Johale	6
46.	Shinde Samruddhi Vijay	7515	s.v.shinde	10
47.	Sutar Shweta Prabhakar	7516	Ab	
48.	Thombare Shruti Vinayak	7517	Ab	
49.	W 11 FM 1	7518	(R/harmane-	8
50.		7519	D.	10
51.	Dalvi Janhvi Ananda	7520	Ab	_
52	Guray Varsha Tanaji	7521	Ath	_



and the second	Khot Nikita Tanaji	7522	Ab	
54,	Koli Divya Dilip	7523	Dalo	A sales
55.	Salunke Vaishnavi Ranjeet	7524	VI	1100 4
56.	Singh Badal Kamalendra	7525	Mo	
57.	Sontakke Vaishnavi Vinayak	7526	Hontakke	
58.	Thanekar Sanika Jotiram	7527	3. J. Thanerat	2
59.	Vasagade Shreya Jinendra	7528	Phagade	11

Dr. G. K. Sontakke HEAD
DEPARTMENT OF MICROBIOLOG
VIVELANAND COLLEGE, KOLHAPUR
(EMPOWERED AUTONOMOUS)



VIVEKANAND COLLEGE, KOLHAPUR (EMPOWERED AUTONOMOUS)

Department of Microbiology

Academic Year 2024-2025

Date:31/08/2024

Notice to BSc I Students Absent for Unit Test

To Students,

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This is to inform following students who were absent for the recent Unit Test dated 30/08/2024 that, as per our academic policy, you may not be able to appear for the upcoming Internal Exam. Your absence from the Unit Test is considered a serious matter, and you are solely responsible for any academic loss incurred as a result.

Sr.no	Name of the student	Roll no.
1.	Ambale Riya Sunil	7469
2.	Ambale Siddhi Yuvraj	7470
3.	Chile SanketDattatray	7474
zj., 4.	Chougule Sanika Tanaji	7475
3.4	Chosarawade Arati Ramachan	7478
· 6.	Jadhav Parth Suhas	7480
7.	Jagtap Anjali Shamrao	7481
8.	Kamble Sharwari Bajirao	7485
9.	Khot Vaishnavi Rajaram	7486
10.	Kole Rajnandini Balasaheb	7487
11.	Kulkarni Pratiksha Prashant	7489
12.	Kumbhar Samiksha Sanjay	7491
13.	More Siya Kailas	7494
14.	Nadaf Pinjari Tasneem Bhola	7496
15.	Palkar Vaishnavi Prakash	7497
16.	Parit Haripriya Amar	7498
17.	Parit Priti Anil	7499
	Patil Anuradha Rajaram	7500



18.	Patil Raju Tanaji	7502
19.	Patil Riya Uttam	7503
20.	Patil Rutuja Raysaheb	7504
21.	Patil Sanjivani Vishnu	7506
22.	Patil Shreya Sunil	7507
23.	Patil Shubhangi Uattam	7508
24.	Patil Unmesh Yashwant	7509
25.	Pol Gunjan Vijay	7512
26.	Raul Gauri Pramod	7513
27.	Sutar Shweta Prabhakar	7516
28.	Thombare Shruti Vinayak	7517
29.	Dalvi Janhvi Ananda	7520
30.	Guray Varsha Tanaji	7521
31.	Khot Nikita Tanaji	7522
32.	Salunke Vaishnavi Ranjeet	7524
33.	Singh Badal Kamalendra	7525



Shri Swami Vivekanand Shikshan Sanstha's

VIVEKANAND COLLEGE, KOLHAPUR(EMPOWERED AUTONOMOUS)

Department of Microbiology (UG)

Academic Year 2024-2025

Notice

Date -20/09/2024

All the students of B.Sc. I are hereby informed that their Test has been scheduled on 28/09/2024, Saturday. Test will be of 15 marks. Hence all students are instructed to prepare accordingly. Attendance for test is compulsory to everyone. All students should remain present for test on time.

Title of paper	Date and Time	Venue	Topic
DSC-I	28/09/2024	Room no. 64	Fumigation by
DSC 03MIC12	9:30-10:30 am		Gascous Agents
Bacteriology Unit II			



I/C Head Department of Microbiology Vivekanand College, Kolhapur (Empowered Autonomous)

-ShikshanmaharshiDr. Bapuji Salunkhe

Shri Swami VivekanandShikshan Sanstha's

VIVEKANAND COLLEGE, KOLHAPUR(EMPOWERED AUTONOMOUS)

Department of Microbiology (UG)

Academic Year 2024-2025

BSc I

Question Paper for Unit Test

Instructions: 1) All the questions are compulsory.

- 2) Figures to the right indicate full marks.
- 3) Draw neat labelled diagrams wherever necessary.

Time: 1 hour	Total Marks: 15
Unit II Control of Micro-organisms	
(Fumigation by Gaseous Agents)	
Que. 1 Select correct alternative.	(5)
i)Gaseous agents are alkylating agents which act by replacing a hydrogen atom molecule with an group, thereby inactivating enzymes and nucleic acid	
A)Alkyl group B)Aryl group C)Amine group D)Hydroxyl group	
ii)Ethylene oxide is used in sterilization of,	
A)Spacecraft B)Needles C)Food D)Water	
iii)Pure ethylene is explosive, thus it is either combined with CO₂ nitrogen or _ mixture.	to form a
A)Dichloride B)Diflouride C)Methane D)Dichlorodiflouromethane	
vi)Blood plasma, milk and water can be sterilized using:	
A)Beta-propiolactone B)Formaldehyde C)Chlorine D)Ethylene oxio	le
v)Beta propiolactone can be metabolized by animals and humans to	
A)Lactose B)fructose C)Lactic acid D)acetic acid	
Q.2 write short note on (Any two)	
i)Ethylene oxide	UND COLLEGE TO
ii)Beta-propiolactone iii)Formaldehyde	ESTD JUNE 1964

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Roll No. - 7472 Unittest - 02 Microbiology - Gaseous agent McQ's... Gaseous agents alkylating agents which act by raplacing a hydrogen atom within a molecule with an A) Alkyl group thereby inactivating enzymes and nucleic acids. Ethylene oxide is used in sterilisation of A) spacecratt pure ethylene is explosive. thus it is either compined with cos vitrades on D) Dicplosogi Houromethane Blood plasma, milk and water can besteriliz using A) Betapropiolactone A) Beta propiolactone can be metabolised by animal and humans to :) Lactic acid.

Mallic - suraphi vishal Bele

Ethylene oxide: - (H2C-CH2) -> gaseous agents are used to sterill heat sensitive material. It is an al ting agent acts as replacing hydrogene within molecule with alkyl group (cnH2n It is an highly penetrating and sten items within plastic bags such as cot

and disposable in laboratories. It is an

at temperatures. below 10.8°C. It is

vapourises rapidly above this tempe

it is very toxic, and pure rethylrene is e

thus, it combines with coz and nitroger

Dichlorodiblouromethane bornied the mixt

it's instemilisation is takes place in speci

requipmentinubich concentration of ethylun sterilisation of clean object 700 mg/ of gas at 40-50% humidity. at 5-8 hrs. of 38°C OF 3-4 hts. at 54°C. Howevere, extense of aeration is tollowed sterillization and re excess of gas

Mode of action: - It has great penets ating power and has good sterrillization. it penetrates through packadge materials.

It cause alkylation of enzymesand Proteins with SH group.

H2C-CH2+ ESH -> ENZYME-S-CH2-CH2-OH

It is inactivated the

Uses Application: It is a sterilization.
which is applied for heat sensitive material such as spices, soil, plastic, containinated laboratory equipment such as disposable.
plastic petriplates, Biological preparations beant-lung machines, sutures, catheters and newly tormed medical divices.

B- brobiolactors:

It is an also acytalating agents and it is a clear liquid with strong outout and ability to Bill endospones and it is press in gaseous and liquid torms used tor. Sterillization and it is quickly metabolizing tor human and animals to lactic acid, it is an irritant. It cause permanent domage to eyes, liver, Bidney, and it is very carcinograpic. Precautions are necessary: minimize explosive to BPL.

Uses / applications: — It is a sterilization; of vaccines and sera. It can be sterilized blood plasma and milky and water.

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-ShikshanmaharshiDr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's

VIVEKANAND COLLEGE, KOLHAPUR(EMPOWEREDAUTONOMOUS)

Department of Microbiology

Academic Year 2024-2025

Unit Test Attendance for BSc I

Date:28/09/2024

Teacher Name: Ms. S. S. Shaikh

Faithe.

Sr.no	Name of the student	Roll no.	Signature	
1.	Ambale Riya Sunil	7469	Bambale	
2.	Ambale Siddhi Yuvraj	7470	tambala.	
3.	Balugade Vaishnavi Shahaji	7471	Ab	
4.	Bele Surbhi Vishal	7472	Sulfield.	
5.	Chile Sanket Dattatray	7474	sell.	
6.	Chougule Sanika Tanaji	7475	Raika .	
7.	Dalavi Trailokya Nitin	7476	INPC	
8.	Deshmukh Sanskruti Tanaji	7477	2 smull	
9.	Ghosarawade Arati Ramachan	7478	A.	
10.	Gutte Tukaram Dattatrey	7479	Armst	
11.	Jadhav Parth Suhas	7480	Ab	
12.	Jagtap Anjali Shamrao	7481	Stille	
13.		7482	Ab	
14.	Jamadar Sadiya Ibrahim	7483	2 June	
15.	Kamble Antara Shesherao	7484	Astronolda	
16.	Kamble Sharwari Bajirao	7485	Bb	
17.	Khot Vaishnavi Rajaram	7486	(RALD.	
18.	Kole Rajnandini Balasaheb	7487	ABM-	
19.	Korane Sakshi Bhaskar	7488	Ah	



20. K	ulkarni Pratiksha Prashant	7489	Rukaur.
21. K	umbhar Priyanka Dipak	7490	Rubbee
22. K	umbhar Samiksha Sanjay	7491	Ab
23. N	fali Tanuja Ajit	7492	Anali
24. N	Iole Nikita Tanaji	7493	Ab
25. N	More Siya Kailas	7494	Frore
26. N	ladaf Asiya Dastgir	7495	Aziya.
27. N	Nadaf Pinjari Tasneem Bhola	7496	T.B. Naclet.
28. I	Palkar Vaishnavi Prakash	7497	Ab
29. 1	Parit Haripriya Amar	7498	Ab
30. 1	Parit Priti Anil	7499	PARezit
31.	Patil Anuradha Rajaram	7500	alltil
32.	Patil Jyoti Suresh	7501	fysti
33.	Patil Raju Tanaji	7502	Ab
34.	Patil Riya Uttam	7503	Katil
35.	Patil Rutuja Ravsaheb	7504	Ce Flatel.
36.	Patil Saloni Gajkumar	7505	80til
37.	Patil Sanjivani Vishnu	7506	STOTIL -
38.	Patil Shreya Sunil	7507	Fatil.
39.	Patil Shubhangi Uattam	7508	Sentil
40.	Patil Unmesh Yashwant	7509	Pcdi1
41.	Patil Vaishnavi Dipak	7510	Latie
42.	Pendhari Simran Mahamad	7511	Ab
43.	Pol Gunjan Vijay	7512	Book
44.	Raul Gauri Pramod	7513	Ab
45	. Sabale Aditi Akaram	7514	136
46	. Shinde Samruddhi Vijay	7515	s.v.shinde
47	. Sutar Shweta Prabhakar	7516	730
48	. ThombareShrutiVinayak	7517	Brombare
49	Vhanmane Pranali Mhalappa	7518	1 Ab
50	Bhoje Adesh Chandrakant	7519	B
51	. Dalvi Janhvi Ananda	7520	300H
52	2. GuravVarshaTanaji	7521	Ab
5:	3. Khot Nikita Tanaji	7522	CROKET: 13

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54.	Koli Divya Dilip	7523	Ab
55.	SalunkeVaishnavi Ranjeet	7524	Ralunke
56.	Singh Badal Kamalendra	7525	Taday
57.	SontakkeVaishnavi Vinayak	7526	Ab
58.	Thanekar Sanika Jotiram	7527	Hb.
59	Vasagade Shreya Jinendra	7528	Bhungade

Teacher Incharge

\$0000 1000 SE

Ms. S. S. Shaikh





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Shri Swami Vivekanand Shikshan Sanstha's

VIVEKANAND COLLEGE, KOLHAPUR (EMPOWERED AUTONOMOUS)

Department of Microbiology (UG)

Academic Year 2024-2025

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Result Analysis for Unit Test of Bsc I

Date -30/09/2024

		.011		
-:	Ambale Riya Sunil	7469		=
2.	Ambale Siddhi Yuvraj	7470		13
3.	Balugade Vaishnavi Shahaji	7471		AB.
4	Bele Surbhi Vishal	7472		13
i.	Chile Sanket Dattatray	7474		40
9	Chougule Sanika Tanaji	7475		60
7.	Dalavi Trailokya Nitin	7476		08
oó.	Deshmukh Sanskruti Tanaji	7477		Ξ
6	Ghosarawade Arati Ramachan	7478		10
10.	Gutte Tukaram Dattatrey	7479		0.5
Ξ	Jadhav Parth Suhas	7480		AP
12.	Jagtap Anjali Shamrao	7481		04
13.	Jamadar Saba Mirasahab	7482		AP.
4.	Jamadar Sadiya Ibrahim	7483		Ξ
15.	Kamble Antara Shesherao	7484		10
16.	Kamble Sharwari Bajirao	7485		Ab
17.	Khot Vaishnavi Rajaram	7486		
18	Kole Rajnandini Balasaheb	7487		0.5
19.	Korane Sakshi Bhaskar	7488	NO COULE	

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Kumbhar Priyanka Dipak	7490	90
Kumbhar Samiksha Sanjay	7491	40
Mali Tanuja Ajit	7492	63
Mole Nikita Tanaji	7493	4
More Siya Kailas	7494	d
Nadaf Asiya Dastgir	7495	7
Nadaf Pinjari Tasneem Bhola	7496	
Palkar Vaishnavi Prakash	7497	4
Parit Haripriya Amar	7498	AB
Parit Priti Anil	7499	to
Patil Anuradha Rajaram	7500	50
Patil Jyoti Suresh	7501	60
Patil Raju Tanaji	7502	Ab
Patil Riya Uttam	7503	20
Patil Rutuja Ravsaheb	7504	01
Patil Saloni Gajkumar	7505	10
Patil Sanjivani Vishnu	7506	11
Patil Shreya Sunil	7507	ho
Patil Shubhangi Uattam	7508	to
Patil Unmesh Yashwant	7509	0.80
Patil Vaishnavi Dipak	7510	60
Pendhari Simran Mahamad	7511	*:)
Pol Gunjan Vijay	7512	03
Raul Gauri Pramod	7513	A.B.
Sabale Aditi Akaram	7514	A)
Shinde Samruddhi Vijay	7515	=
Sutar Shweta Prabhakar	7516	10
ThombareShrutiVinayak	7517	01
Vhanmane Pranali Mhalappa	7518	Collect

3hoje Adest	Bhoje Adesh Chandrakant	7519	-
Jalvi Janhvi Ananda	i Ananda	7520	- 7
GuravVarshaTanaji	aTanaji	7521	80
Khot Nikita Tanaji	Tanaji	7522	60
Koli Divya Dilip	Dilip	7523	AB
salunke Vai	Salunke Vaishnavi Ranjeet	7524	to
Singh Bada	Singh Badal Kamalendra	7525	03
SontakkeV	Sontakke Vaishnavi Vinayak	7526	AB
Thanekar	Thanekar Sanika Jotiram	7527	d.p.
Vasagade	Vasagade Shreya Jinendra	7528	80

Teacher Incharge

Ms. S. S. Shaikh



-Shikshanmaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's

VIVEKANAND COLLEGE, KOLHAPUR (AN EMPOWERED AUTONOMOUS INSTITUTION) Department of Microbiology (UG)

Academic Year 2024-2025

Notice

Date -18/01/2025

All the students of B.Sc.-I are hereby informed that their **Unit Test** has been scheduled on 25/01/2025, Saturday. Test will be of 20 marks. Hence all students are instructed to prepare accordingly. Attendance for test is compulsory to everyone. All students should remain present for test on time.

Title of paper	Date and Time	Venue	Topic
DSC 03MIC22	25/01/2025	Room no. 415	Enrichment and
Microbial Nutrition	10:30- 11:30 am		Isolation of
Unit II			Microorganisms from
			natural environment



Dr. T. C. Gaupale

DEPARTMENT OF MICROBIOLOGY VIVEKANAND COLLEGE, KOLHAPUR (EMPOWERED AUTONOMOUS)

-Shikshanmaharshi Dr. Bapuji Salunkhe

Shri Swami Viyekanand Shikshan Sanstha's

VIVEKANAND COLLEGE, KOLHAPUR (AN EMPOWERED AUTONOMOUS INSTITUTION)

Department of Microbiology

Academic Year 2024-2025

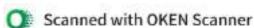
BSc I

Question Paper for Unit Test

Instructions: 1) All the questions are compulsory.

- 2) Figures to the right indicate full marks.
- Draw neat labelled diagrams wherever necessary.

Microb	oial Nutrition Unit II
Que. 1 Select correct alternative.	(8)
) The primary goal of pure culture techniq	
) Grow a large number of bacteria	
b) Study the interactions between differen	t species of bacteria
) Isolate a single species of bacteria from	a mixed culture
l) kill all bacteria in a sample	
i) Which of the following techniques is no	ot commonly used to obtain a pure culture of bacteria?
 Streak plate method b) Spread plate Culture 	
i) is the only first step of pour	plate technique and spread plate technique.
 Serial dilution technique b) Dilution is plate technique 	
r) A nichrome wire loop is used in	technique.
Spread plate b) Pour plate	c) Streak plate d) Serial dilution
is supplemented with glove	
Hydrogen jar b) Anaerobic chamber	



	tains heating element	17. 3000
vi)In Brewer's anaerobic jar, the lid of the jar catalyst .	c)	d) Platinum.
a) Alpha-napthol b) Sodium hydroxide vii) If we use thioglycollate in the medium it i a) Oxygen absorbing b) Oxygen releasing	No. 800 (100 (100 (100 (100 (100 (100 (100	d) Carbon releasing
viii) In shake tube technique facultative organ b) All over the tube b) At the bottom	c) At the surface d) Be	elow the surface (8)
Que. 2 Attempt any ONE.		1.7
What is pure culture technique? Describe	e in brief the technique of is	olation of pure culture.
Discuss in detail the techniques of cultivations oxygen from the environment.	ation of anaerobes by mech	anical exclusion of free
Que. 3 Attempt any ONE.		(4)
i) Shake tube technique		
ii) Classification of Micro-organisms with res	spect to oxygen requirement	

/	25/112025
	7
V.	Name: - Samuddhi Vijay Shinde Roll No: - 7515
	Roll No: - 7515
	DO T
	Subject: - Microbial Nutrition and Culture media
1	Unit -II
	The state of the s
3.1:	select correct alternative.
1	The primary goal of pure culture technique is to Isolate a single species of bacteria from a mixed
~ \	Isolate a single species of bacteria from a mixed
	culture
11	Which of the following tochniques in not company
/	used to obtain a pure culture of hactoria?
	which of the following techniques is not commonly used to obtain a pure culture of bacteria? Enrichment culture.
jiř	Sexial dilution technique is the only first step of
	Serial dilution technique is the only first step of pour plate technique and spread plate technique
IN	A el nichromie wire loop is used in streak plate tenchnique.
)	tenchnique.
1.1	Drana die charalia in avanta ali ili
19	Anaesabic chamber is supplemented with glove
1	Ports.
Vij	To Brewess ange solic jar the lid of the ins
/	contains heating element surrounded by
)	In Brewes's ance sobic jar, the lid of the jar contains heating element surrounded by Plotinum catalyst
1	V. 1
Vii)	If we use thingly collate in the medicina it is responsible for Oxygen absorbing ESTD
111/	responisible for Oxygen absorbing. (3) ESTO (2)
1	1964 S
	~ C

In shake tube technique facultative are found At the bottom. Attement any one. What is pure culture technique? Describe in brief the technique of isolation of pure culture.

1) The culture contain only one type of species of micro-organisms is called pure c'ulture. 2) Techniques of isolation of pure culture := i) Streak plate technique.

ii) Spread plate technique.

iii) Pore plate technique

iv) Sesial dilution technique. Streak plate technique.

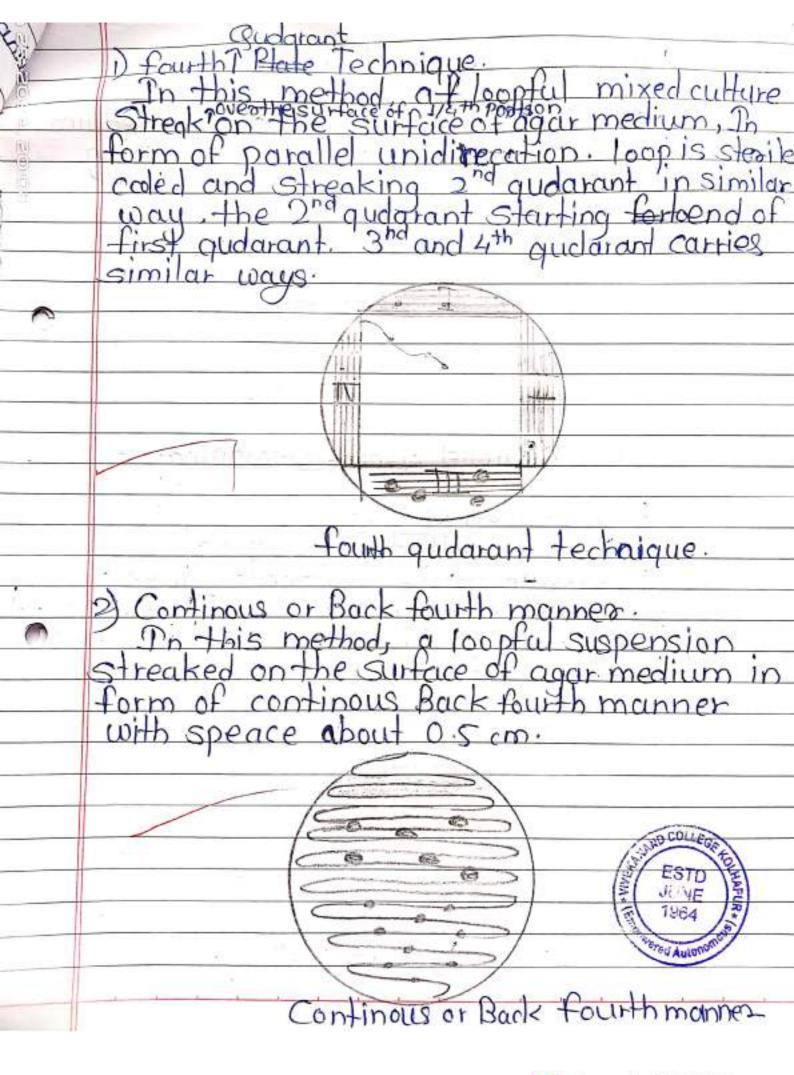
i) It is mostly used or widely used technique to obtain pure culture.

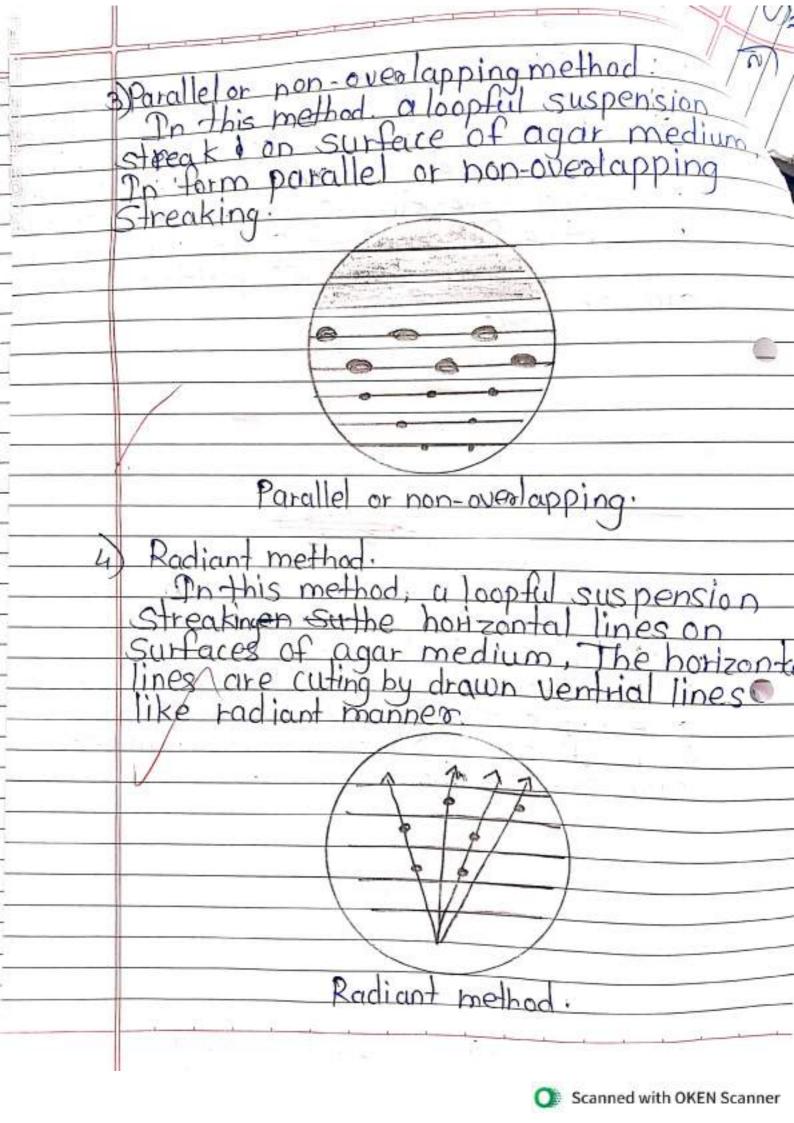
ii) It In this method, first nichrome wire loop stevile by heating in flame of burner.

iii) loop cooledfor 5-10 sec.

iv) loop dipped in mix culture tube curd strock inc. On surface of again medium. Streaking on surface of agar medium.

1) After incubation, one can get well isolated colonies are form. (i) Streaking plate technique carry various Defourth place technique Continous or Back fourth manner.
3) Parallel or non-overslapping method
G) Radiant method. Scanned with OKEN Scanner

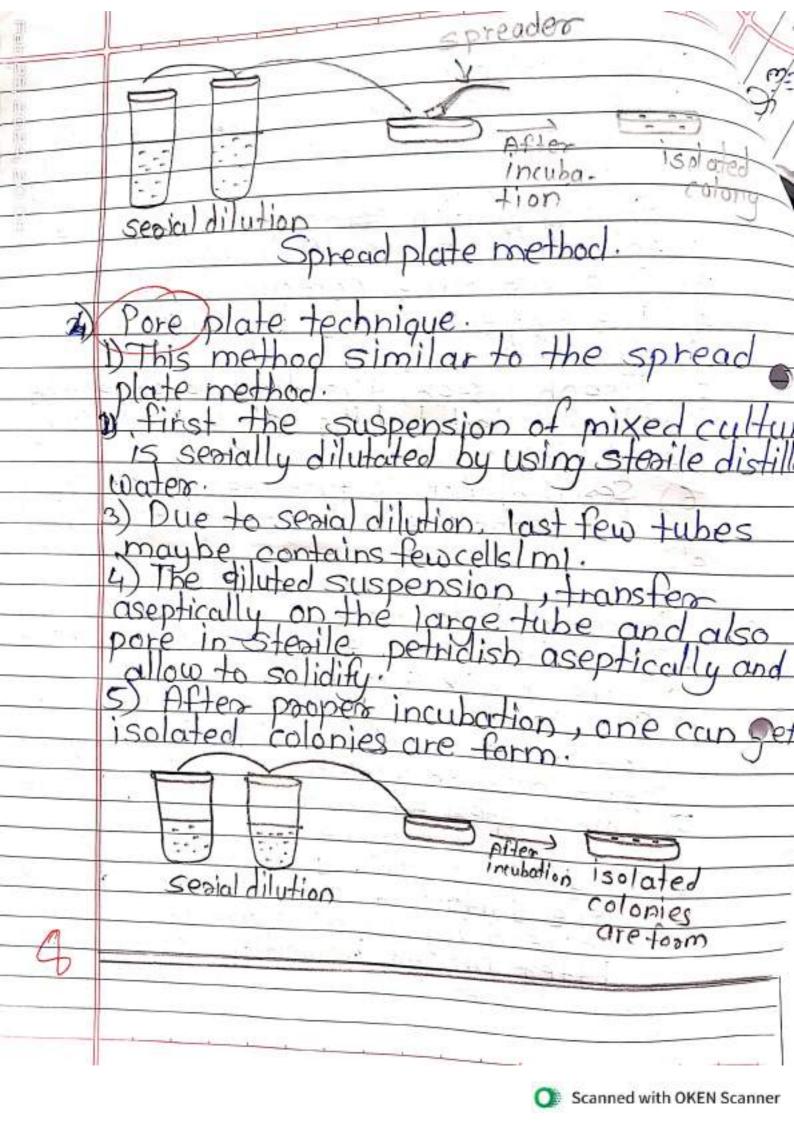


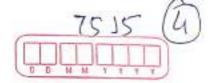


Sesial dilution: Diwhen any organisms is predomiant in mix culture. It can be isolated by serially lution: Sesially dilution contain use sel sterile redium. It is use 10 tubes. The last tube contain single organism.

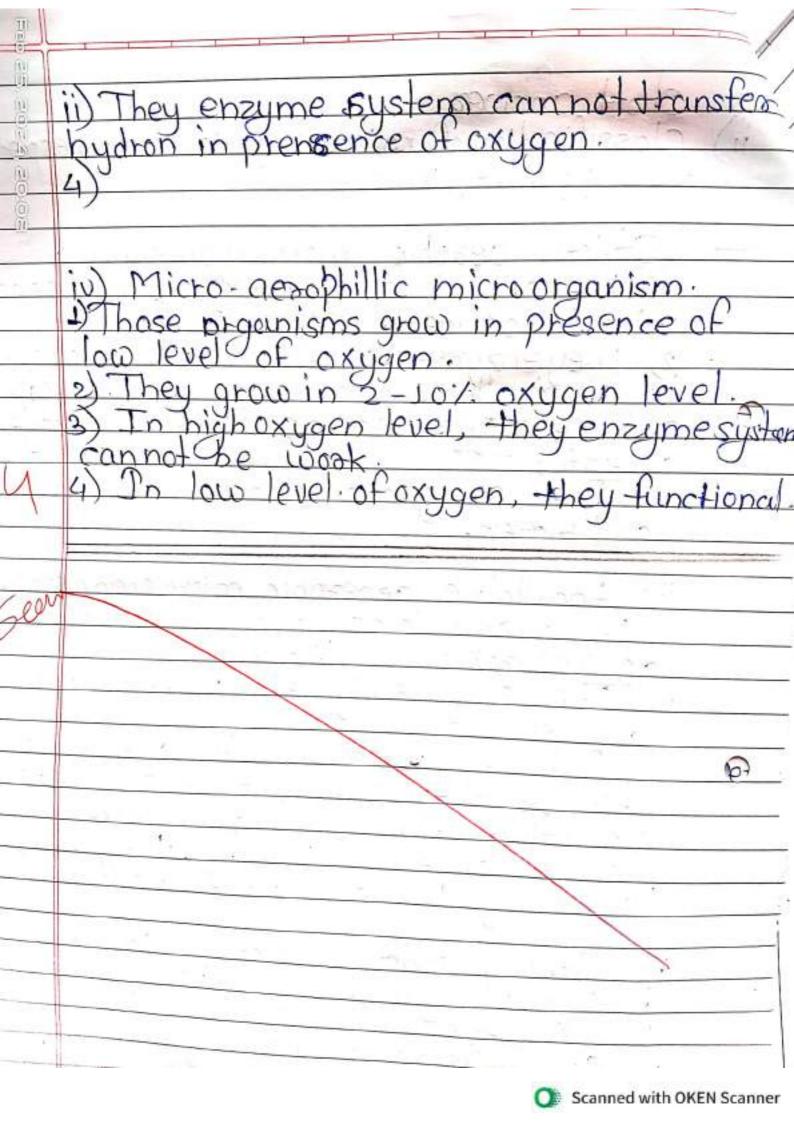
i) The single organism in sufficant to
initiant of organisms. initiant of organisms.

) Joseph Lister, first time developed the methodof isolated the single bacteria by sexial dilution. 5) Sezial dilution is first step of str spread plate technique and pore plate technique 3) Spread plate technique. 1) It is alterneting method of to obtain pure culture in mix flora. Due to stepi st sepical dilution, last lew tubes copyain may be few cells/m/.
Ther suspension, a transfer aseptically on the surface of again medium and it is spread by using spaceader. ter proper incubation, one can ge isolated coloney are form. ESTD Scanned with OKEN Scanner





1	
0.3	Short answer. Classification of micro-organisms withrespect
	i) Strictly aerobic microorganisms
	i) The organisms can not grow in absence of
3	2) Theyenzyme system trasfer hydrogen in respiration molecular oxygen in resignation 3) They oxygen act as finally hydrogen acceptor complete 4) They carry out oxidation of food to CO2 and water.
	and water.
	ii) facultative anaesobic micro organisms. 1) Those organisms grow in aesobic as well as anaesobic condition.
	2) They enzyme System work in both
<u></u>	3) But they bretter grow in desobic condition because they carry out oxy complete
	Oxidation of tood and obtain more energy. 4) while, anomobic condition they obtain less energy by incomplete oxidation of food.
	iii) Strictly anaesobic microorganisms i) Those organisms grow in absence of
	free oxygen. 2) Oxygen is toxic for these micro organisms 3) because i) some their ensumes inactivated in
	presence of free oxygen.



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Department of Microbiology (UG)

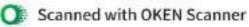
Academic Year 2024-2025

Unit Test Attendance for BSc I

Date: 25/01/2025

Sr.no	Name of the student	Roll no.	Signature
1.	Ambale Riya Sunil	7469	Bambale
2.	Ambale Siddhi Yuvraj	7470	Mambale
3.	Balugade Vaishnavi Shahaji	7471	rebeligad
4.	Bele Surbhi Vishal	7472	Ab
5.	Chile Sanket Dattatray	7474	SIL
6.	Chougule Sanika Tanaji	7475	Poils
7.	Dalavi Trailokya Nitin	7476	1.N.OLL
8.	Deshmukh Sanskruti Tanaji	7477	Jeshnukh
9.	Ghosarawade Arati Ramachandra	7478	Ab
10.	Gutte Tukaram Dattatrey	7479	- Frank
11.	Jadhav Parth Suhas	7480	
12.	Jagtap Anjali Shamrao	7481	Ab
13.	Jamadar Saba Mirasahab	7482	Ab
14.	Jamadar Sadiya Ibrahim	7483	Ab.
15.	Kamble Antara Shesherao	7484	Ab Ab
16.	Kamble Sharwari Bajirao	7485	Oskombre
17.		7486	Ab
18.	Kole Rajnandini Balasaheb	7487	NEW :
19.		7488	454
20.	Kulkarni Pratiksha Prashant	7489	Elkowane
		1	Thulkowi.





		7490	aubher
21 K	ımbhar Priyanka Dipak	7491	Ab
22 KI	ımbhar Samiksha Sanjay	7492	Amale
23 M	ali Tanuja Ajit	7493	Ata
24 M	ole Nikita Tanaji	7494	From
25 N	Iore Siya Kailas	7495	Ala
26 N	adaf Asiya Dastgir	7496	To. Madafa.
27 N	ladaf Pinjari Tasneem Bhola		DA.
28 P	arit Haripriya Amar	7498	779
	Parit Priti Anil	7499	Pakwil
	Patil Anuradha Rajaram	7500	H
	Patil Jyoti Suresh	7501	1404
	Patil Raju Tanaji	7502	Ab
33.	Patil Riya Uttam	7503	Ratil
34.	Patil Rutuja Ravsaheb	7504	AB
	Patil Saloni Gajkumar	7505	Ab
	Patil Sanjivani Vishnu	7506	Ab
37.	Patil Shreya Sunil	7507	Falil
1000	Patil Shubhangi Uattam	7508	Ab
	Patil Unmesh Yashwant	7509	DEMY!
- 100	Patil Vaishnavi Dipak	7510	Seatel
41.	121	7511	Ab
42.		7512	Gupal
43	Raul Gauri Pramod	7513	G.P.Raul.
44	Sabale Aditi Akaram	7514	A. A. Jabale.
45	Shinde Samruddhi Vijay	7515	s.V.shinde
46	Sutar Shweta Prabhakar	7516	Ab
47	Vhanmane Pranali Mhalappa	7518	Pyhanman
48	Bhoje Adesh Chandrakant	7519	
49	Dalvi Janhvi Ananda	7520	Ah
50	0. Gurav Varsha Tanaji	7521	Osurav.
5	1. Khot Nikita Tanaji	7522	
5	2. Koli Divya Dilip	7523	
3	 Salunke Vaishnavi Ranjeet 	7524	200
5	Singh Badal Kamalendra	7525	2000



55.	Thanekar Sanika Jotiram	7527	S.J. Thanera
56.	Vasagade Shreya Jinendra	7528	a kasaga de

Teacher Incharge

Ms. S. S. Shaikh



Shri Swami Vivekanand Shikshan Sanstha's

VIVEKANAND COLLEGE, KOLHAPUR (AN EMPOWERED AUTONOMOUS INSTITUTION)

Department of Microbiology (UG)

Academic Year 2024-2025

Result Analysis for Unit Test of Bsc I

Date -27/01/2025

Sr.no	Name of the student	Roll no.	Marks
1.	Ambale Riya Sunil	7469	15
2.	Ambale Siddhi Yuvraj	7470	11
3.	Balugade Vaishnavi Shahaji	7471	14
4.	Bele Surbhi Vishal	7472	Ab
5.	Chile Sanket Dattatray	7474	03
6.	Chougule Sanika Tanaji	7475	- 11
7.	Dalavi Trailokya Nitin	7476	17
8.	Deshmukh Sanskruti Tanaji	7477	15
9,	Ghosarawade Arati Ramachan	7478	Ab
10.	Gutte Tukaram Dattatrey	7479	17
11.	Jadhav Parth Suhas	7480	Ab
12.	Jagtap Anjali Shamrao	7481	Ab
13.	Jamadar Saba Mirasahab	7482	Ab
14.	Jamadar Sadiya Ibrahim	7483	Ab
15.	Kamble Antara Shesherao	7484	18
16.	Kamble Sharwari Bajirao	7485	Ab
17.	Khot Vaishnavi Rajaram	7486	13
18.	Kole Rajnandini Balasaheb	7487	13

19.	Korane Sakshi Bhaskar	7488	07
	Kulkarni Pratiksha Prashant	7489	13
20.	Kumbhar Priyanka Dipak	7490	10
21.	Kumbhar Samiksha Sanjay	7491	Ab
22.		7492	13
23.	Mali Tanuja Ajit	7493	2.22
24.	Mole Nikita Tanaji		Ab
25.	More Siya Kailas	7494	13
26.	Nadaf Asiya Dastgir	7495	Hb
27.	Nadaf Pinjari Tasneem Bhola	7496	09
28.	Palkar Vaishnavi Prakash	7497	136
29.	Parit Haripriya Amar	7498	Ab
30.	Parit Priti Anil	7499	10
31.	Patil Anuradha Rajaram	7500	Ad Cancel
32.	Patil Jyoti Suresh	7501	(1
33.	Patil Raju Tanaji	7502	Ab
34.	Patil Riya Uttam	7503	06
35.	Patil Rutuja Ravsaheb	7504	Ab
36.	Patil Saloni Gajkumar	7505	Ab
37.	Patil Sanjivani Vishnu	7506	Ab
38.	Patil Shreya Sunil	7507	12 .
39.	Patil Shubhangi Uattam	7508	H Careel
40.	Patil Unmesh Yashwant	7509	07
41.	Patil Vaishnavi Dipak	7510	06
42.	Pendhari Simran Mahamad	7511	Ab
43.	Pol Gunjan Vijay	7512	10
44.	Raul Gauri Pramod	7513	Harrison St.
45.	Sabale Aditi Akaram	7514	05
46.	Shinde Samruddhi Vijay	7515	09
47.	Sutar Shweta Prabhakar	7516	19
48.	Vhanmane Pranali Mhalappa	7518	Ab
		(80.4.0)	18

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49.	Bhoje Adesh Chandrakant	7519	
50.	Dalvi Janhvi Ananda	12513250	17
<i>c</i> •		7520	N.
51.	GuravVarshaTanaji	7521	Pb
52.	Khot Nikita Tanaji		12_
53.		7522	14
33.	Koli Divya Dilip	7523	05
54.	SalunkeVaishnavi Ranjeet	7524	
55.		S-7 (1.555,577)	Ab
	Singh Badal Kamalendra	7525	06
56.	SontakkeVaishnavi Vinayak	7526	Ad. Cancel
57.	Thanekar Sanika Jotiram	7527	Sec. 197
58.	Vasagada Chrone Line 1		07
-0.	Vasagade Shreya Jinendra	7528	06

Teacher Incharge

Ms. S. S. Shaikh

Shairh

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VIVEKANAND COLLEGE, KOLHAPUR(EMPOWERED AUTONOMOUS)

Department of Microbiology

Academic Year 2024-2025

Notice for BSc III

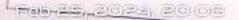
Date: 13/09/2024

All the students of B.Sc. III are hereby informed that their Unit Test has been scheduled on 19/09/2024, Thursday. Syllabus for unit test will be Industrial Microbiology Unit II. Hence all students are instructed to prepare accordingly. Attendance for test is compulsory to everyone. All students should remain present for test on time.

Sr. no.	Title of Paper	Date	Marks	Topic
	Paper XI DSE:1010 E3 Industrial Microbiology Unit II	19/09/2024	20	Industrial Production of-(a. Amylase, b. Grape Wine c. Penicillin d. Citric acid e. SCP)







-ShikshanmaharshiDr. Bapuji Salunkhe

Shri Swami VivekanandShikshan Sanstha's

VIVEKANANDCOLLEGE KOLHAPUR(EMPOWEREDAUTONOMOUS)

Department of Microbiology

Academic Year 2024-2025

BSc III	
Question Paper for Unit Test	
Instructions: 1) All the questions are compulsory.	
2) Figures to the right indicate full marks.	
 Draw neat labelled diagrams wherever necessary. 	
Time: 1 hour	Total Marks: 20
Unit I Industrial Production of -	
Que. 1 Select correct alternative.	(4)
i) Bacteria have more than proteins in them.	
a)80% b)70% c)75% d)60%	
ii)Earlier was used in the penicillin production but it	t provided low yield of penicillin.
a) Pencilliumchrysogenum b)Aspergillus niger c)Streptomyces d)Pen	
iii) Precursor for penicllin G is	
a)Hydroxy phenylacetic acidb)Phenoxy acetic acid c)Phenyl acetic	c acid d)None of the above
iv)Normally a reading of balling is given by Grapes at proper i	maturity.
a) 25-30% b)10-12% c)21-23% d)24%	
Que. 2 Attempt One.	(8)
Describe in detail Industrial production of Amylase Enzyme.	30.6
Que. 3 Attempt two.	(8)
i) Fermentation of Citric Acid	(4)
ii) Spoilage or defects in Wine	



Shri Swami Vivekanand Shikshan Sanstha's Vivekanand College, Kolhapur (Empowered Autonomous)

UG Department of Microbiology

Academic Year 2024-2025

BSc-III

Attendance For Test

Date: 19/09/2024

Teacher Name: S. S. Shaikh

Pair 25, 20 2 n, 20 oth

Sr. No.	Name of the Student	Roll No.	Signature
1	Bhosle Vedika Sudhir	8337	Chattur
2	Chavan Sanika Pradeep	8388	Junika_
3	Chougale Sanika Vishnu	8389	SVC.
4	Dinde Ankita Rangrao	8390	A:R:D
5	Gaikwad Divya Sanjay	8391	Braikaras
6	Gaikwad Nikita Nandkumar	8392	Chican
7	Gurav Mansi Sunil	8393	@ansi
8	Hajare Aishwarya Ganesh	8394	Agare-
9	Hardikar Yogi Ashutosh	8395	Ab
10	Jadhav Karan Dipak	8396	Kosalbar
11	Jadhav Vinayak Sanjay	8397	(日)
12	Jasud Rutuja Tanaji	8398	Basuo
13	Jevrani Simran Anil	8399	Stevenson
14	Kachare Ishwari Pradeep	8400	Shwai
15	Kamat Sanskruti Santosh	8401	Lamet
16	Khanvilkar Anjali Hemant	8402	AL
17	Kharade Sanchit Sachin	8403	should.
18	Khot Vaishnavi Jitendra	8404	Hot
19	Korane Harshad Mahesh	8405	- Kouse
20	Kulkarni Sai Vivek	8406	N
21	Lad Anjali Vijay	8407	Aud
22	Ligade Smeet Sunil	8408	
23	Majgavkar Sanika Sagar	8409	
24	Mali Prachi Sanjay	8410	-dent ka
25	Mane Rohan Baban	8411	COO
26	Mujawar Aabida Altaf		(Peranc
27	Parulekar Diksha Devdatta	8412 8413	Homisawar.

28	Patil Avantika Arun	9414	
29	Patil Kartigraj Bhagwan	8414	Ab
30	Patil Sammed Annaso	8415	(B) Patit
31	Patil Sharwari Yuvraj	8416 8417	spotif.
32	Patil Suhani Sadashiy	8418	Skali
33	Powar Diya Kiran	8419	200002
34	Prabhu Savali Shivaji	8420	Seulelini
35	Shaikh Rijwan Firoj	8421	Braith
36	Shelke Yogesh Balu	8422	1
37	Shewale Prithviraj Subhash	8423	Bhuile.
38	Sonule Sushant Krishnat	8424	Scont
39	Sutar Jayshri Krishnat	8425	QQ da
40	Todkar Nirjara Shivaji	8426	Rodkal
41	Wadkar Samrudhi Dhanaji	8427	Conned Kee
42	Yadav Sushant Harishchandra	8428	(RILLIA)
43	Yatam Ashutosh Bhagvan	8429	loted.
44	Harshe Arpita Ashok	8437	Sharelon

Teacher Incharge

Ms. S. S. Shaikh



Shri Swami Vivekanand Shikshan Sanstha's Vivekanand College, Kolhapur (Empowered Autonomous)

UG Department of Microbiology

Academic Year 2024-2025

BSc-III

Result Analysis For Unit Test

Date: 20/09/2024

Teacher Name: S. S. Shaikh

Sr. No.	Name of the Student	Roll No.	Marks
1	Bhosle Vedika Sudhir	8337	07
2	Chavan Sanika Pradeep	8388	04
3	Chougale Sanika Vishnu	8389	13
4	Dinde Ankita Rangrao	8390	1.1
5	Gaikwad Divya Sanjay	8391	08
6	Gaikwad Nikita Nandkumar	8392	08
7	Gurav Mansi Sunil	8393	12
8	Hajare Aishwarya Ganesh	8394	13
9	Hardikar Yogi Ashutosh	8395	-
10	Jadhav Karan Dipak	8396	04
11	Jadhav Vinayak Sanjay	8397	13
12	Jasud Rutuja Tanaji	8398	07
13	Jevrani Simran Anil	8399	06
14	Kachare Ishwari Pradeep	8400	09
15	Kamat Sanskruti Santosh	8401	11
16	Khanvilkar Anjali Hemant	8402	_
17	Kharade Sanchit Sachin	8403	12
18	Khot Vaishnavi Jitendra	8404	09
19	Korane Harshad Mahesh	8405	10
20	Kulkarni Sai Vivek	8406	_
21	Lad Anjali Vijay	8407	67
22	Ligade Smeet Sunil	8408	09
23	Majgavkar Sanika Sagar	8409	08
24	Mali Prachi Sanjay	8410	12_
25	Mane Rohan Baban	8411	12
26	Mujawar Aabida Altaf	8412	19 19 1000
27	Parulekar Diksha Devdatta	8413	11 /3 E

-	Patil Avantika Arun	8414	_
28	Patil Kartigraj Bhagwan	8415	13
0	Patil Sammed Annaso	8416	08
1	Patil Sharwari Yuvraj	8417	07
2	Patil Suhani Sadashiv	8418	10
3	Powar Diya Kiran	8419	07
4	Prabhu Savali Shivaji	8420	07
5	Shaikh Rijwan Firoj	8421	06
5	Shelke Yogesh Balu	8422	
7	Shewale Prithviraj Subhash	8423	08
8	Sonule Sushant Krishnat	8424	16
9	Sutar Jayshri Krishnat	8425	08
10	Todkar Nirjara Shivaji	8426	02
11	Wadkar Samrudhi Dhanaji	8427	15
12	Yadav Sushant Harishchandra	8428	04
43	Yatam Ashutosh Bhagvan	8429	04
44	Harshe Arpita Ashok	8437	06

Teacher Incharge

Ms. S. S. Shaikh



Shri Swami Vivekanand Shikshan Sanstha's

Vivekanand College, Kolhapur (An Empowered Autonomous Institute)

Department of Microbiology (UG)

Academic Year 2024-2025

Unit test B.Sc. I Sem II Notice

Date - 07/02/2025

All students of B.Sc. I are hereby informed that Unit Test has been scheduled on 10/02/2025, Monday at 12.40 pm to 1.30 pm. Attendance for test is compulsory to everyone. All students should be present for test on time.

Date	Topic	Time
10/02/2025	Amino acid Structure & classification, Structural levels of protein	12.40 pm to 1.30 pm

IFC MEAD DEPARTMENT OF MICROBIOLOGY WYEKANANO COLLEGE, KOLHAPUR (EMPOWERED AUTONOMOUS)



Vivekanand College, Kolhapur (An Empowered Autonomous Institute)

Department of Microbiology (UG)

Academic Year 2024-2025 Unit test B.Sc. I Sem II

Marks - 20

1 Salast correct	alternative from given alter	native & rewrite the senter	ice. (8)
	lymers of amino acids.		
	b. Lipids	e. Proteins	d. All of above
	eids lack a chiral carbon.		
May 1960	b Toroxine	e. Lysin	d. Proline
The first among the	aid that gets incorporated in po	olypeptide chain during prot	ein synthesis is
Glycine Glycine	b. Methionine	e. Tyrosine	d. Lysin
	e amino acid residue		2009/Will Results 200
, 1-2	ь. 2-3	e, 12-20	d. More than 20
structure	e of protein is referred as it's o	confirmation.	
10	b. 2 ⁰	e. 3º	d. 4°
interacti	on is absent is absent in tertia	ary structure of proteins.	
	b. Electrostatic	e, Hydrophobic	d. Covalent
	joined together bybo	nd.	
	b. Hydrogen	c. Covalent	d. Peptide
	an example of quaternary str	ructure.	
i. Hb	b. Keratin	c, Flagellin	d. Pilin
			(8)
Q.2. Long Answer		144	
Write an essay on s	secondary structure of amino	acids,	
O & Weite a Shor	t note on. (Any One)		(4)
LNon polar uncha			
	erties of amino acids.		



Shri Swami Vivekanand Shikshan Sanstha's

Vivekanand College, Kolhapur (An Empowered Autonomous Institute)

Department of Microbiology (UG) Academic Year 2024-25

B. Sc I Unit Test 1

Date: 10/02/25

Time: 12:45pm - 1:30 pm

Sr. No	There is consider.	Roll no.	Sign	Marks (out of 20 marks)
-	Ambale Riya Sunil	7469	Volupar	11
0	Ambale Siddhi Yuvraj	7470	sambale	8
3	Balugade Vaishnavi Shahaji	7471	vacquade	8
4	Bele Surbhi Vishal	7472	Ala	Ab
5	Benake Madhura Shankar	7473	Ab	Ab
6	Chile Sanket Dattatray	7474	Ab	Ab
7	Chougule Sanika Tanaji	7475	Sail	11
8	Dalavi Trailokya Nitin	7476	LNOU	9
9	Deshmukh Sanskruti Tanaji	7477	AL	14
10	Ghosarawade Arati Ramachandra	7478	Q-	13
11	Gutte Tukaram Duttatrey	7479	Funt.	13
12	Jadhav Parth Suhas	7480	Ah	A
13	Jagtap Anjali Shamrao	7481	Ab	46
14	Jamadar Saba Mirsahab	7482	Q4o	Ab
1	Jamadar Sadiya Ibrahim	7483	-cleen	9
6	Kamble Antara Shesherao	7484	Askamble	1)
17	Kambale ShawariBajorao	7485	Ab	Ab
18	Khot Vaishnavi Rajaram	7486	@ ·	g
19	Kole Rajanandini Balasaheb	7487	Ata	Ab
20	Korane Sakshi Bhaskar	7488	Sakorane	2
20	Kulkarni Pratiksha Prashant	7489	Thukami -	6
21	Kumbhar Priyanka Dipak	7490	Gh	(Ho
22	Kumbhar Samiksha Sanjay	7491	A/s	5
23	Mali Tanuja Ajit	7492	-Ande	5
24	Mole Nikita Tanaji	7493	Nool	12
25	More Siya Kailas	7494	Fore	2
26	Nadaf Asiya Dastgir	7495	Asiyer	8
27	Nadaf Pinjari Tasneem Bhola	7496	TB Nadah	10
28	Palkar Vaishnavi Prakash	7497	Δh	Ale

29	Parit Haripriya Amar	7498	Halasit	15
30	Parit Priti Anil	7499	DARwit	10
31	Patil Anuradha Rajaram	7500	AL	AL
32	Patil Jyoti Suresh	7501	Lydi	9
33	Patil Raju Tanaji	7502	An	Alo
34	Patil Riya Uttam	7503	Ratif	7
35	Patil Rutuja Ravsaheb	7504	Ala	Ab
36	Patil Saloni Gajkumar	7505	SOLIL	10
37	Patil Sanjivani Vishnu	7506	Stil	8
38	Patil Shreya Sunil	7507	Tatel	10
40	Patil Shubhangi Uattam	7508	Ab	Ab
41	Patil Umesh Yashwant	7509	Ab	415
42	Patil Vaishnavi Dipak	7510	Statie	-8
43	Pendhari Simran Mahamad	7511	-SDP	7
44	Pol Gunjan Vijay	7512	Ab	Ab
45	Raul Gauri Pramod	7513	G.P.Raul	3
46	Sabale Aaditi Akaram	7514	A A Sabale	7_
47	Shinde Samruddhi Vijay	7515	s.V.Shinde	15
48	Sutar Shweta Prabhakar	7516	- The	11
49	Thombare Shruti Vinayak	7517	List-	Ab
50	Vhanmane Pranali Mhalappa	7518	Ab	Als
51	Bhoje Adesh Chandrakant	7519	AC.	14
52	Dalvi Janhvi Ananda	7520	Am	Ab
53	Gurav Varsha Tanaji	7521	(Vaurav	8
54	Khot Nikita Tanaji	7522	TOURS!	14
55	Koli Divya Dilip	7523	ado.	q
56	Salunke Vaishnavi Ranjeet	7524	Ab	46
57	Singh Badal Kamalendra	7525	25aday	7
58	Sontakke Vaishnavi Vinayak	7526	Ato	Alb
59	Thanekar Sanika Joytiram	7527	S.J. Thanekat	7
60	Vasagade Shreya Jinendra	7528	3 hasagade	3

DEPARTMENT OF MICROBIOLOGY VIVERANAND COLLEGE, KOLHAPUR (EMPOWERED AUTONOMOUS)



Shri Swami Vivekanand Shikshan Sanstha's

Vivekanand College, Kolhapur (An Empowered Autonomous Institute)

Department of Microbiology (UG)

Academic Year 2024-2025





B.Sc I Sem II Unit Test -1



Dissemination of Education for Knowledge, Science and Culture"

-Shikshanmaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's

VIVEKANAND COLLEGE, KOLHAPUR (AN EMPOWERED AUTONOMOUS INSTITUTE)

Department of Microbiology

Academic Year 2024-2025

Notice

Date - 21/01/2025

All students of B.Sc. III are hereby informed that unit test of Agricultural Microbiology has been schedule on Saturday ,25 January 2025 at 11.50 a.m. in room no.415. Make sure to be present on time.

Syllabus -

Topic	Time	Date	
1.Physical & chemical			
characters of soil			
2.Microbial interactions	11.50-12, 40a.m	25/01/2025	
3.Nitrogen cycle			
4.Phosphorous cycle.			

Dr.T.C.Gaupale

UC HEAD DEPLICTMENT OF MICROSIOLOGY VIVEKAHAND COLLEGE KOLHAPUR (EMPOWERED AUTOMONOUS)



Vivekanand College, Kolhapur (An Empowered Autonomous Institute)

Department of Microbiology (UG)

Academic Year 2024-2025 Unit test B.Sc. III Sem VI

Date - 25/01/2025

Marks - 10

Q. Write a short note on. (Any 2)

(10)

- 1. Chemical properties of soil
- 2. Phosphorous cycle
- 3. Mutualism



Shri Swami Vivekanand Shikshan Sanstha's

Vivekanand College, Kolhapur (Empowered Autonomous)

Department of Microbiology Academic Year 2024-25 B. Sc. III Unit Test

Attendance

Date - 25/01/2025

Marks =10

Sr. No	Student name	Roll No.	Sign	Marks
1	Bhosle Vedika Sudhir	8387	استنعوا	03
2	Chavan Sanika Pradeep	8388	No	Ab
3	Chougale Sanika Vishnu	8389	Sic	09
4	Dinde Ankita Rangrao	8390	ARIE	06
5	Gaikwad Divya Sanjay	8391	Brukund	08
6	Gaikwad Nikita Nandkumar	8392	Alo	Alo
7.	Gurav Mansi Sunil	8393	gans)	07
8	Hajare Aishwarya Ganesh	8394	Agame	02
9	Hardikar Yogi Ashutosh	8395	Ato	Ab
10	Jadhav Karan Dipak	8396	Kondhal.	05
11	Jadhav Vinayak Sanjay	8397	LES-	06
12	Jasud Rutuja Tanaji	8398	Rosud	02
13	Jevrani Simran Anil	8399	Soveand	Amon
14	Kachare Ishwari Pradeep	8400	Ab	Ab
15	Kamat Sanskruti Santosh	8401	Unmat	00
16	Khanvilkar Anjali Hemant	8402	Gennn	-02
17	Kharade Sanchit Sachin	8403	Sharale	05
18	Khot Vaishnavi Jitendra	8404	Whot	06
19	Korane Harshad Mahesh	8405	Ah	Ab

20	Kulkarni Sai Vivek	8406	Ab	Als
21	Lad Anjali Vijay	8407	Auch	03
22	Ligade Smeet Sunil	8408	Ab	Ab
23	Majgavkar Sanika Sagar	8409	Snika	04
24	Mali Prachi Sanjay	8410	DE	PA
25	Mane Rohan Baban	8411	Darroro	03
26	Mujawar Aabida Altaf	8412	Ministra	04
27	Parulekar Diksha Devdatta	8413	Sandler.	08
28	Patil Avantika Arun	8414	SAMO .	03
29	Patil Kartikraj Bhagwan	8415	Peratil	05
30	Patil Sammed Annaso	8416	Beatil	02
31	Patil Sharwari Yuvraj	8417	Shatis	03
32	Patil Suhani Sadashiy	8418	\$P41)	04
33	Powar Diya Kiran	8419	Ab.	Ab
34	Prabhu Savali Shivaji	8420	Hapun	03
35	Shaikh Rizwan firoj	8421	Blogith	05
36	Shelke Yogesh Balu	8422	Ab	*
37	Shewale Prithviraj Subhash	8423	Bauch	06
38	Sonule Sushant Krishnat	8424	Resonte	57
39	Sutar Jayshri Krishnat	8425	Parts:	04
40	Todkar Nirjara Shivaji	8426	Madkar	00
11	Wadkar Samrudhi Dhanaji	8427	Paradiez	07
12	Yadav Sushant Harishchandra	8428	Buy	01
13	Yatam Ashutosh Bhagvan	8429	Ab	Alo
4	Harshe Arpita		Ab	A6
5			7,10	



DEPARTMENT OF MICROSIOLOGY VIVEKAMAND COLLEGE KOLHAPUR (EMPOWERED AUTONOMOUS)

Shri Swami Vivekanand Shikshan Sanstha's

Vivekanand College, Kolhapur (An Empowered Autonomous Institute)

Department of Microbiology (UG)

Academic Year 2024-2025





B.Sc-III Sem VI Unit Test -1

