

JAYAWANT SHIKSHAN PRASARAK MANDAL'S

JAYAWANTRAD SAWANT COMMERCE AND SCIENCE COLLEGE

Sr. No. 58, Handewadi Road, Satavnagar, Hadapsar, Pune-411028 Phone: 7722045403 / 9175954032

Dr. Vinod R.Kulkarni M.Com.M.A.MBA,M.Phil, PhD Principal

PROF. DR. T. J. SAWANT B.E. (Elec.), PGDM, PhD Founder Secretary

2.6.2. Attainment of POs and Cos are evaluated .Explain with evidence in a maximum of 500 words.

HEI Input:

Provided list of documents as follows

- 1. CO Attainment,
- 2. CO-PO/PSOs Matrix
- 3. Sample of Question papers, evaluated answer sheet and Mark sheet.

PU/PN/ CS/485/ 2018 * JSPM's * PRINCIPAL
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Commerce & Science College
Hadapsar, Pune - 411 028.



PROF. DR. T. J. SAWANT

B.E. (Elec.), PGDM, PhD

Founder Secretary

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 Website: www.jspmjscocs.edu.in
 Approved by Govt. of Maharashtra & Affiliated to SPPU, Pune-07

College Code: PU/PN/CS/485/2018



Dr. Vinod R.Kulkarni M.Com.M.A.MBA,M.Phil, PhD Principal

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Sr. No.	List of Documents	Digital No.
1.	CO Attainment	3
2.	CO-PO/PSOs Matrix	6
3.	Sample of Question papers, evaluated answer sheet and Mark sheet.	8

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Savitribai Phule Pune University

Evaluation/ Examination [Internal] for AY 2022-23

T. Y. B. Sc. (2019 CBCS Pattern) CO ATTAINMENT SHEET

Teacher Name : Dr. Sudipta Banerjee

A.Y -

2022-2023

Subject name and code: Molecular Biology: (MB 364) SEM - VI

Sr. No	5 (c) 10.9120	Students name	Unit Test Marks (Contribution to Internal Marks) (A)	100	Home Assignmen t 2 (C)	Total Internal Marks out of 15 (A+B+C)	Total External Marks University Exam out of 35	Total Marks for the Course/50
1	7191	Prajwal Ambekar	1	3	3	7	21	28
2	Cartes and the second	Asmita Shinde	2	4	5	11	15	26
3	400000000000000000000000000000000000000	Aniket Badgujar	1	3	3	7	22	29
4		Nikita Bhandare	3	5	4	12	20	32
_		Yash Mohan Devkar	1	3	3	7	20	27



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6	7196	Harshvardhan Dukale	1	3	3	7	15	22
7	7197	Aditya Gavhane	1	3	3	7	23	30
8	7198	Prathmesh Ghule	1	3	3	7	16	23
9	7199	Vivek Ghule	1	3	3	7	19	26
10	7200	Shivanand Jadhav	0	4	3	7	AB	AB
11	7201	Pratik Ganesh Kapare	0	3	4	7	20	27
12	7202	Shounak kumbhojkar	2	3	4	9	22	31
13	7203	Sifa Naik	2	5	5	12	20	32
14	7204	Abhishek Pandey	1	4	3	8	22	30
15	7205	Sushmita Pandey	2	5	3	10	26	36
16	7206	Payal Thoke	3	4	4	11	18	29
- 17	7207	Rushika Zambare	3	4	5	12	23	35
18	7208	Prajakta Sable	1	4	5	10	19	29
19	7209	Bhavna Shinde	3	4	4	11	9	20
20	7210	Sahil sonawane	0	4	4	8	18	26
21	7211	Mayur Sutar	0	4	3	7	15	22
22	7212	Tanvi Pawar	1	4	4	9	14	23
23	7213	Yash Tupe	2	4	3	9	18	27
24	7214	Madhur Valsangkar	2	4	4	10	18	28

	Internal	Externa	
Threshold Marks (50 % of Maximum Marks)	7.5	17.5	
No. of Students scoring more than threshold	14	17	
Number of Students Apperared for Exam	23	23	
CO Attainment %	60.87	73.91	
FINAL CO ATTAINMENT = 0.7*External+0.3*Internal	70.	00	





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Savitribai Phule Pune University

Evaluation/ Examination [Internal] for AY 2022-23

T. Y. B. Sc. (2019 CBCS Pattern) CO-PO/PSO Matrix

Teacher Name: Dr. Sudipta Banerjee

A.Y - 2022-2023

Subject name and code: Molecular Biology: (MB 364) SEM - VI

				C	O-PO	/PSO	Matrix					
	CO.	PO1	PO2	РО3	PO4	PO5	PO6	PO7	PO8	PO9	PSO1	PSO2
CO1	70.00	2	1				,	. 2		1		2
CO2	70.00	2	1					2		1		2
СОЗ	70.00	2	1					2		1		2
CO4	70.00	3	1	2				3	3	1		2
CO5	70.00	3	1	2				3	3	1		2
Mappin	ng Average	2.4	1	2				2.4	3	1		2



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PO/PSO Attainment											
со	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PSO1	PSO2
CO1	1.4	0.7					1.4		0.7		1.4
CO2	1.4	0.7					1.4		0.7		1.4
CO3	1.4	0.7			- 8		1.4		0.7		1.4
CO4	2.1	0.7	1.4	11.20			2.1	2.1	0.7		1.4
CO5	2.1	0.7	1.4				2.1	2.1	0.7		1.4
PO PSO Attainment	1.68	0.7	1.4				1.68	2.1	0.7		1.4





Jayawantrao Sawant College of Commerce and Science

Hadapsar, Punc- 411028

T.Y.B. Sc

Internal Examination

(Pattern: 2019)

Subject: Molecular Biology (MB364)

Semester - VI Time: 01.30 Hours

Maximum marks: 30

Instructions to the Candidates:

- 1) Question I is compulsory.
- 2) Solve any four (4) out of question 2 to question 6
- 3) Figures to the right indicates full marks.
- 4) Draw a neat labeled diagram wherever necessary.
- Q.1. Attempt any three of the following.

3*2=6)

- a) Write the role of Rec BCD?
- b) What is the difference between mitosis and meiosis?
- c) Write the formula of Map distance?
- d) What is the cross result of independent assortment?
- Q.2. a) Explain themes of Mendel's work?
- Q.2. b) Write full form of lethal mutants(Ts and Am) (4+2=6)
- Q.3. a) Explain Eukaryotic Cell cycle Phases with labelled diagram? (4+2=6)
- Q.3. b) Define deletion mapping?
- Q.4. a) Draw well labelled diagram of Holliday Model?

(4+2=6)

- Q.4. b) Define alkylation ?
- Q.5. a) Explain lytic cycle with diagram?

(4+2=6)

- Q.5.b) Write difference between BER and NER?
- Q.6. a) Describe plaque morphology?

(4+2=6)

Q.6. b) Write short note on DNA repair by photoreactivation?

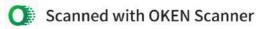
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					JS	SPM's		
	Jaya	want	rao Sa	awan	t of Coll	lege of Commerce an	d Science	
	•					ssignment 2		
Class	ΤΥ	B.Sc.			101110710	Academic Year:	2022-2023	
Total Marks	15 (Subject:	Molecular					
rotal Marko	10 (10 00	CONVEN	.eu ou	(0100)	Subject.	Biology(unit	t 3)
Name of the								
Student:							Paper No	364
Roll No			Pa	aper :	To	pic : DNA damage & Repair m	echanism	
Que. Numbe	- T	1	2	3	Total			
Que. Nullib	21	_!		3	TOTAL	- 4		
Marks Obta	ined							
Q2 W	rite no	te on n	nismatcl	n repair	system. ?			
							(5mks)	
Q3. Ex	plain	DNA d	amage b	oy alkyl	ation?		(5mks)	



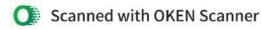
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	-			JSPM's ao Sawant of College of Commerce and Science					
	Jaya	want	rao Sa	awan [,]	t of	Colle	ge of Commerce ar	d Science	
				H	lom	e Ass	signment 1		
Class		B.Sc.					Academic Year:	2022-2023	}
Total Marks	15 (To be	conver	ted out	t of 0	5)	Subject:		
Name of th		-						Biology(uni	t 2)
Student:	۱ —		-				***	Paner No	364
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Roll No			Pi	aper:		Topi	c : Bacteriophage genet	cs	
Que. Numi	oer	1	2	3	To	tal			
Marks Obt	ained		-				1 -		
	ameu		-						
Q2.	Write sh	nort no	tes on B	enzer's	spot	test?			
								(5mks)	
Q3.W	/rite sho	ort note	es on pla	que mo	orpho	logy?		(5mks)	









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Affillated to Savitribai Phule Pune University, Pune: College Code: PU/PN/CS/485/2018

Nar	me of Student Nikita Bhanday	€
Ter	m End Exam Seat No.(In Figure):	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
In '	World-Table Tore Alexander	6 6 0 - 2 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
La Carte	ass: Trasc microbiology	Olycon mother of insection of the
Su-	object: Molecular Biology.	Date: 9-5-23
	Jr.Supervisor Nam Signature And Dat	of the 5. p. H=14 9/1/25 (15)
	Theory/Pratical:	[2] [1] [1] [1] [2] [1] [2] [2] [2] [2] [2] [2] [2] [2] [2] [2
- 5	e Tuniorece et la linite	
3.1	Mitosis	
$\rightarrow 1$	It occurs in sometic ceus	
	It formed two daughter	1 It formed four daughter
(2)	-ceu.	cell
	The callo allo allo	3) Daughter ceus are haptorid di
(3)	diptord haploid.	A) A Crossing over occurs in
) (a)	No crossing over occurs	chao mo semo es
7 - (32	in chromosomes	5) Nucleus i's divides twice
(5)	Nucleus is divides only	Commo
	once	PU/PM E
1 126	The Car ar. Lapton	CS/485/) & PRESCIPAL
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Jayawantrao Sawant College of Commerce & Science S.No. 58, Handewadi road, Satavnagar, Hadapsar, Pune-28.

TY BSc Assignment Report, Year 2022-23, Semester-VI

Subject- Molecular Biology

Name of Teacher- Dr. Sudiple Barer

Sr. No	Students name	Assignment 1 (5mks)	sign	Assignment 2 (5mks)	sign	Test	Total 15mks
1	Madhur Valsangkar	04	Justria	03+1	Donaday	03-1	10
2	Sahil sonawane	03+1	6 P	03+1	Solu	00	D8
3	Nikita Bhandare	05-	٠٠٠٠٠	nu	About.	03	12
4	Sifa Naik	04+1	divis	04+1	anis	04-2	- 12
5	Prajwal Ambekar	02+2	Jar	03+1	AWM	02-1	07
6	Shounak kumbhojkar	03	de	03+1	3	02-1	09
7	Rushika Zambare	05-1	Rush	04+1	Kull	03	12
8	Abhishek Pandey	03+1	1.0	03	A.P	02-1	. 08
9	Payal Thoke	24	Payal.	04	Paya-	03	11
10	Prathmesh Ghule	02+1	Py	02+1	35:	0241	06+4=
11	Yash Mohan Devkar	02+1	yntea	02+1	White.	02-1	06+1=
12	Shivanand Yadav	AB 4		3		00	06+1=7
13	Aditya Gavhane	0271	Dille	0271	المنطورة	02+1	06+1=
14	Pratik Ganesh Kapare	03	Nepase.	0.2+2	Penper	020	07
15	Yash Tupe	03+1	No.	03	0	03-1	09
16	Aniket Badgujar	02+1	(B)	02+1	Der.	02-1	06+1=
17	Harshvardhan Dukale	1.03	HAD	07-11	11AI	02-	DF
18	Mayur Sutar	03+1	12 to	03	This	00	07
19	Vivek Ghule	03+0	2	02+1		024)	07
20	Sushmita Pandey	04+1	Randy	D4-1	Bandy	04-2	- 12-2
21	Prajakta Sable	03+1	datale	04+1	sabale.	03-1	2.10
22	Asmita Shinde	DY	glinda	04+1	dives.	03-1	_11
23	Bhavna Shinde	-04	Thorang	04	Buss	DS	11.
24	Tanvi Pawar	04	र्वकर्रे.	D 3+1	Take!	02-1	09

Sign of Subject Teacher



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