



**VIVEKANAND EDUCATION SOCIETY'S
COLLEGE OF PHARMACY**

Hashu Advani Memorial Complex, Behind Collector Colony, Chembur (E), Mumbai – 400 074
Sindhi Linguistic Minority, Recognized by DTE,
Approved by Pharmacy Council of India & Govt. of Maharashtra, Affiliated to University of Mumbai.
NAAC accredited with A+ Grade (3.46 CGPA)

2.5.1

***Mechanism of internal assessment is
transparent and robust in terms of
frequency and mode***

Sr. No	List of Contents
1	Display of tentative exam schedule at the beginning of semester on notice board and through class common group email
2	Display of Mid semester theory and practical time table well in advance on notice board
3	Sample display for university exam time table on notice board
4	CO mapped question paper reviewed by module coordinator
5	Internal Assessment Mark sheet verified and duly signed by the students
6	Theory second sessional answer sheet duly signed by the student
7	Theory First sessional answer sheet duly signed by the student
8	Evaluation of student activity (quiz) as a part of internal assessment

University of Mumbai



(Science & Tech. - 01)

Winter -2023

Examinations Section

Vidyanagari, Kalina,

Mumbai- 400 098

No. Exam./Sc./W/ST/01 of 2023

CIRCULAR

The Deans of the various faculties, Directors/Heads of the University Departments, Principals of the affiliated colleges, Heads / Directors of the Recognised institutions, Professor- cum Director, Institute of Distance & Open Learning (IDOL) Principals of the University conducted Colleges and the Co-ordinators / Assistant Registrars, University Sub-Centre at Ratnagiri and Thane are hereby informed that the **dates of commencement** of the examinations indicated below which are to be held in the **Winter 2023** are as shown against them.

They are, therefore, requested to bring this to the notice of the concerned students by displaying the same on Notice Board:-

Sr. No	Exam Code	Examinations	Date of Commencement
1	1S00326	B.Sc. (Home Science) (Sem.VI) (Choice Based)	13-10-23
2	1S01332	M.Sc. (Home Science)(Sem. II) (Choice Based)	13-10-23
3	1S01334	M.Sc. (Home Science)(Sem. IV) (Choice Based)	13-10-23
4	1S00416	B.Sc. (Hospitality Studies)(Sem. VI)(CBSGS)	18-10-23
5	1S00426	B.Sc. (Hospitality Studies)(Sem. VI) (Choice Base) (R-2018-19)	18-10-23
6	1P00146	T.Y. B. of Pharmacy (Sem VI) (Choice Based) (R-2019)	23-10-23
7	1S00815	T.Y. B.Sc. In Forensic Sciences (Sem. V)	25-10-23
8	1S00816	T.Y. B.Sc. In Forensic Science (Sem. VI)	25-10-23
9	1P00136	T.Y. B. of Pharmacy (Sem VI)(Choice Based)	26-10-23
10	1S00135	T.Y. B.Sc.(Sem. V)(CBSGS) (75:25)	26-10-23
11	1S00145	T.Y. B.Sc.(Sem. V)(Choice Based) (R-2018-19)	26-10-23
12	1S00156	B.Sc. (Computer Science) (Sem. VI) (Choice Based)	26-10-23
13	1S00246	B.Sc. (I.T.) (Sem. VI) (CBSGS) (75:25)	26-10-23
14	1S00256	B.Sc. (I.T) (Sem. VI) (Choice Base) (R-2018-19)	26-10-23
15	1S00165	B.Sc. (Biotechnology) (Sem. V) (Choice Based)	26-10-23
16	1P00138	Fourth Year B. of Pharmacy (Sem VIII) (Choice Based)	27-10-23
17	1S00726	T.Y. B.Sc. (Aviation) (Sem. VI)(CBSGS) (75:25)	30-10-23



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18	1P00142	F.Y. B. of Pharmacy (Sem II)(Choice Based) (R-2019)	01-11-23
19	1P00147	Fourth Year B. of Pharmacy (Sem VII)(Choice Based) (R-2019)	01-11-23
20	1P00132	F.Y. B. of Pharmacy (Sem II)(Choice Based)	01-11-23
21	1S00415	B.Sc. (Hospitality Studies)(Sem. V) (CBSGS)	01-11-23
22	1S00425	B.Sc. (Hospitality Studies)(Sem. V) (Choice Base) (R-2018-19)	01-11-23
23	1S00526	B.Sc. In Aeronatics (Avionics & Mechanical) (Sem. VI) (Choice Based))	01-11-23
24	1S00616	B.Sc. (Martitime Hospitality Studies)(Sem. VI)(CBSGS)	01-11-23
25	1S00915	T. Y. B.Sc. (Nautical Sciences) (Sem. V)(CBSGS)	01-11-23
26	1S01915	T.Y.B.Voc. in Medical Lab Technology(Sem. V)	02-11-23
27	1P00148	Fourth Year B. of Pharmacy (Sem VIII) (Choice Based) (R-2019)	20-11-23
28	1S00725	T.Y. B.Sc. (Aviation) (Sem. V)(Choice Based) (75:25)	21-11-23
29	1A00116	T.Y.B. Arch. (Sem VI) (CBSGS)	21-11-23
30	1A00214	Fourth Year B.Arch	21-11-23
31	1A00224	Fourth Year B.Arch (Interior Design)	21-11-23
32	1A00724	M. Arch.(Sem IV) (Project Management) (Choice Based)	22-11-23
33	1A00814	M. Arch. (Landscape) (Sem IV)	22-11-23
34	1P00145	T.Y. B. of Pharmacy (Sem V)(Choice Based) (R-2019)	28-11-23
35	1P00135	T.Y. B. of Pharmacy (Sem V)(Choice Based)	28-11-23
36	1S00166	B.Sc. (Biotechnology) (Sem. VI) (Choice Based)	29-11-23
37	1P00137	Fourth Year B. of Pharmacy (Sem VII)(Choice Based)	29-11-23
38	1S00136	T.Y. B.Sc.(Sem.VI)(CBSGS) (75:25)	29-11-23
39	1S00146	T.Y. B.Sc.(Sem. VI)(Choice Based) (R-2018-19)	29-11-23
40	1S00325	B.Sc. (Home Science) (Sem.V) (Choice Based))	29-11-23
41	1S00525	B.Sc. In Aeronatics (Avionics & Mechanical) (Sem. V) (Choice Based))	29-11-23
42	1S00916	T. Y. B.Sc. (Nautical Sciences)(Sem. VI)(CBSGS)	29-11-23
43	1S01331	M.Sc. (Home Science)(Sem.I) (CBSGS)	29-11-23
44	1S01333	M.Sc. (Home Science)(Sem. III) (R-2017)	29-11-23



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45	1S01912	M.Voc. in Medical Lab Technology (Sem. II)	29-11-23
46	1S02712	M.Sc. (Marine Science) (Sem II) (CHCS)	29-11-23
47	1S00155	B.Sc. (Computer Science) (Sem. V) (Choice Based)	29-11-23
48	1S00245	B.Sc. (I.T.) (Sem. V) (CBSGS) (75:25)	29-11-23
49	1S00255	B.Sc. (I.T.) (Sem. V) (Choice Base) (R-2018-19)	29-11-23
50	1S01914	M.Voc. in Medical Lab Technology (Sem. IV)	30-11-23
51	1P00144	S.Y. B. of Pharmacy (Sem IV)(Choice Based) (R-2019)	01-12-23
52	1P00134	S.Y. B. of Pharmacy (Sem IV)(Choice Based)	01-12-23
53	1S01421	M.Sc. (Forensic Sciences) (Sem. I) (Choice Based)	04-12-23
54	1S01422	M.Sc. (Forensic Sciences) (Sem. II) (Choice Based)	04-12-23
55	1S01423	M.Sc. (Forensic Sciences) (Sem. III) (Choice Based)	05-12-23
56	1S01424	M.Sc. (Forensic Sciences) (Sem. IV) (Choice Based)	05-12-23
57	1S01112	M.Sc. and M.Sc. Research (Theory) (Sem. II)(CBSGS)	07-12-23
58	1S01122	M.Sc. and M.Sc. Research (Theory) (Sem. II)(Choice Base)	07-12-23
59	1S01916	T.Y.B.Voc. in Medical Lab Technology(Sem. VI)	07-12-23
60	1S01114	M.Sc. and M.Sc. Research (Theory) (Sem. IV)(CBSGS)	08-12-23
61	1S01124	M.Sc. and M.Sc. Research (Theory) (Sem. IV)(Choice Base)	08-12-23
62	1S01911	M.Voc. in Medical Lab Technology (Sem. I)	11-12-23
63	1S02711	M.Sc. (Marine Science) (Sem I) (CBCS)	11-12-23
64	1S01915	T.Y.B.Voc. in Medical Lab Technology(Sem. V)	11-12-23
65	1P00242	M. Pharm (Sem II) (Choice Based) (R-2019)	12-12-23
66	1S01913	M.Voc. in Medical Lab Technology (Sem. III)	12-12-23
67	1S02713	M.Sc. (Marine Science) (Sem III) (CBCS)	12-12-23
68	1S02612	M.Sc. In Material Science (Sem.II)	14-12-23
69	1P00143	S.Y. B. of Pharmacy (Sem III)(Choice Based) (R-2019)	15-12-23
70	1P00133	S.Y. B. of Pharmacy (Sem III)(Choice Based)	15-12-23
71	1T00162	M.C.A. (Sem. II)(Choice Based) (R-2020-21)	18-12-23



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72	1T00164	M.C.A. (Sem. IV) (Choice Based) (R-2020-21)	18-12-23
73	1A00322	M. Arch. (by Research) (Sem. II) (Choice Based)	18-12-23
74	1A00422	M. Arch. (Sem II) (Project Management)(Choice Based)	18-12-23
75	1A00522	M. Arch. (Sem II) (Urban Conservation)(ChoiceBased)	18-12-23
76	1A00622	M. Arch. (Sem. II) (Urban Design)(ChoiceBased)	18-12-23
77	1S01111	M.Sc. and M.Sc. Research (Theory) (Sem. I) (CBSGS)	02-01-24
78	1S01121	M.Sc. and M.Sc. Research (Theory) (Sem. I) (Choice Base)	02-01-24
79	1S02611	M.Sc. In Material Science (Sem.I)	02-01-24
80	1P00141	F.Y. B. of Pharmacy (Sem I)(Choice Based) (R-2019)	02-01-24
81	1P00131	F.Y. B. of Pharmacy (Sem I)(Choice Based)	02-01-24
82	1P00241	M. Pharm. (Sem I)(Choice Based) (R-2019)	02-01-24
83	1S01113	M.Sc. and M.Sc. Research (Theory) (Sem. III)(CBSGS)	03-01-24
84	1S01123	M.Sc. and M.Sc. Research (Theory) (Sem. III)(Choice Base)	03-01-24
85	1S02613	M.Sc. In Material Science (Sem.III)	03-01-24
86	1T00161	M.C.A. (Sem. I)(Choice Based) (R-2020-21)	05-01-24
87	1T00163	M.C.A. (Sem. III)(Choice Based) (R-2020-21)	05-01-24

Mumbai- 400
6th September, 2023


Dr. Prasad Karande
I/c. Director
Board of Examinations & Evaluation

To,

The Deans of the various faculties, Directors/Heads of the University Departments ,
Principals of the affiliated colleges, Heads/Directors of the Recognised institutions,
Professor-cum-Director, Institute of Distance & Open Learning (IDOL) Principals
of the University conducted Colleges and the Co-ordinators/Assistant Registrars,
University Sub-Centre at Ratnagiri and Thane.




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T. Y.B. Pharm. Sem. VI CBCS (R-2019)

Date: 11.3.2024

Revised Time-table

SECOND SESSIONAL THEORY EXAMINATION (AY 2023-24)

Time: 10:30am to 11:30am

Day	Date	Subject
Thursday	14.3.2024	Medicinal Chemistry III
Friday	15.3.2024	Pharmacology III
Saturday	16.3.2024	Herbal Drug Technology
Monday	18.3.2024	Biopharmaceutics and Pharmacokinetics
Tuesday	19.3.2024	Pharmaceutical Biotechnology
Wednesday	20.3.2024	Quality Assurance

Mrs Pushpalata Chaugule | Examination Coordinator- T.Y.B. Pharm.

Chaugule

Dr. Rajan Kalamkar | Exam In charge |

RK

Dr. (Mrs.) Supriya S. Shidhaye | Principal |

Shidhaye



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VES College of Pharmacy, Mumbai

T. Y.B. Pharm. Sem. VI CBCS (R-2019)

Date: 21.2.2024

Time-table

SECOND SESSIONAL PRACTICAL EXAMINATION (AY 2023-24)

Time: 1:00 pm to 5:00 pm

Day	Date	Pharmacology III – Practical	Medicinal Chemistry III – Practical	Herbal Drug Technology – Practical
Monday	4.3.2024	B	D	C
Tuesday	5.3.2024	A	C	D
Wednesday	6.3.2024	D	B	A
Thursday	7.3.2024	C	A	B

Mrs. Pushpalata Chaugule | Examination Coordinator- T.Y.B. Pharm. I



Dr. Rajan Kalamkar | Exam In charge |



Dr. (Mrs.) Supriya S. Shidhaye | Principal |



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Rashmi Wani <rashmi.wani@ves.ac.in>

Revised time tables of Sem VI R-19 & Sem VIII R-19 SSTE (FH 2024)

1 message

Examination VES COP <examvescop@ves.ac.in>

Mon, Mar 11, 2024 at 2:34 PM

To: lybpharm2023@ves.ac.in, tybpharm2023@ves.ac.in, Nagesh Malik <nagesh.malik@ves.ac.in>

Cc: vescop_educationists <vescop_educationists@ves.ac.in>, vescopnonteaching@ves.ac.in

Dear all,

PFA

Thanks & Regards

EXAMVESCOP

VES College of Pharmacy- [Chembur 74](#)

Phone:022 61144144

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2 attachments**Revised- Sem VI (CBCS R 19) 2nd Sessional Theory Time table (1st half 2024).pdf**

188K

**Revised- Sem VIII (CBCS R 19) 2nd Sessional Theory Time table (1st half 2024).pdf**

187K

University of Mumbai



1P00146

Winter 2023

EXAMINATION TIME TABLE


PROGRAMME - T.Y. BACHELOR OF PHARMACY [Choice Based Credit System](R-2019)

SEMESTER - VI

Days and Dates	Time	Paper Code	Paper
Monday, 23 October, 2023	10:30 a.m to 01:30 p.m.	87611	Medicinal Chemistry III
Wednesday, 25 October, 2023	10:30 a.m to 01:30 p.m.	87612	Pharmacology III
Friday, 27 October, 2023	10:30 a.m to 01:30 p.m.	87613	Herbal Drug Technology
Monday, 30 October, 2023	10:30 a.m to 01:30 p.m.	87614	Biopharmaceutics and Pharmacokinetics
Thursday, 2 November, 2023	10:30 a.m to 01:30 p.m.	87615	Pharmaceutical Biotechnology
Monday, 6 November, 2023	10:30 a.m to 01:30 p.m.	87616	Quality Assurance


Important Note: •The candidates appearing for the examination should report 20 minutes before the start of examination.
• Mobile phones and other electronic gazets are prohibited in the examination hall.
• Change if any, in the time table shall be communicated on the university web site.

Mumbai - 400 098,
8th September, 2023.


Dr. Prasad Karande
I/c. Director
Board of Examinations & Evaluation

ST-6




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Second Sessional Exam A.Y.2023-24

T. Y. B. Pharm SEM VI

Duration: 1 Hr.

Date: 19/03/2024

Subject: Pharmaceutical Biotechnology

N.B.:

1. Figures to right indicate full marks.
2. All Questions are compulsory.
3. Draw the diagram wherever necessary.

CO		Marks
	Q.1 Multiple Choice Questions (MCQs)	10
2	1. Type _____ hypersensitivity is also called as delayed type hypersensitivity. a. I b. II c. III d. IV	
2	2. Function of the drug aminopterin in HAT medium is to block the _____ pathway/s of DNA synthesis. a. salvage b. de novo c. both d. non of these	
2	3. To date _____ is the most known satisfactory plasma substitute. a. dextran b. gum saline c. Ployvinylpyrrolidone d. fibrin	
4	4. The chemical method of immobilization involves a. Encapsulation Method c. Crosslinking technique b. Entrapment Technique d. Adsorption technique	
3	5. Aluminium Hydroxide is added in vaccine as a. Stabiliser b. Preservative c. Diluent d. Adjuvent	
3	6. Following part avoids the formation of vortex and <u>saperation</u> of larger particles from smaller ones in the fermentation process a. Impeller b. sparger c. Baffle d. Tank	
3	7. Precursor for Penicillin G in production of penicillin by fermentation is a. Phenylacetic acid c. Phenoxy acetic acid b. b. Hydroxyphenylacetic acid d. No precursor required	
3	8. Vaccines are-----Substance a. Antibody c. Antigen or antibody b. Antigenic d. either antigen or antibody	
3	9. Microorganism used for Production of Vitamin B12 a. Penicillium chrysogenum. c. Aspergillus niger b. Pseudomonas denitrificans. d. Saccharomyces cerevisiae	
3	10. Killed, Polio Vaccine is a. Salk b. Sabin c. BCG d. TAB	
	Q.2 Long Answers (Answer 1 out of 2)	10
3	1. Enlist various types of fermenters. Explain design of Fermenter with well labelled Diagram.	
4	2. Explain classification of enzyme immobilization methods and write a note on adsorption, crosslinking and covalent binding methods	
	Q.3 Short Answers (Answer 2 out of 3)	10
2	1. Give any five differences between Type I and type II hypersensitivity reactions	
2	2. With the help of a neat diagram explain any two therapeutic applications of monoclonal antibodies as targeting agents in therapy.	
4	3. Define Biosensors. Give various parts of Biosensors, Explain in short working of glucometer.	

*****Good Luck*****

Suggestion by H.O.D:

Kindly make corrections as suggested.

Course coordinator: Dr. Nagesh Malik :

Mrs. Ashwini Wani :

H.O.D: Dr. Rajashree Hirlekar :



Sush Thare
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Third Year B Pharmacy SEM VI CBCS Rev 2019 (AY 2023-24)

Internal Assesment Marksheets - Practical

Subject: Medicinal chemistry III – Practical (AC/SMM)

Sr. No.	Exam No.	Name of Student	SESSIONAL EXAMINATION (10 marks)				Continuous Mode (5 marks)		Grand Total (out of 15 marks)
			I (Out of 40 marks)	II (Out of 40 marks)	Average Marks (Out of 40 marks)	Final Marks (Out of 10 marks)	Attendance (Out of 2 marks)	Academic Activity (Out of 3 marks)	
1	60124	AMBRE SHRADDHA SANDIP	31	32	32	8	2	2.78	13
2	60224	CHAUHAN NAINA INDERSINGH	31	34	33	8	2	2.78	13
3	60324	CHETTIYAR GOWSHIK VEERESH	22	26	24	6	2	2.78	11
4	60424	CHOUDHARI SHIVAM GANESH	26	26	26	7	2	2.67	12
5	60524	DESAI PRANAY KRISHNAJI	22	27	25	6	2	2.78	11
6	60624	FERRAO SARAH ROSARIO	24	29	27	7	2	2.67	12
7	60724	GAD ARYAN CHANDRASHEKHAR	23	23	23	6	2	2.67	11
8	60824	GAIKWAD RUCHITA RAJESH	25	27	26	7	2	2.78	12
9	60924	GAWALI ATHARVA ANANDA	27	30	29	7	2	2.67	12
10	61024	GHARAT SHLOK PREMNATH	26	29	28	7	2	2.78	12
11	61124	GHOLAP VIRAJ JEETENDRA	0	24	12	3	0	1.89	5
12	61224	GHOSALKAR ADITI SUDESH	22	27	25	6	2	2.78	11
13	61324	GUPTA PRINCE VIJAYBHAN	25	30	28	7	2	2.78	12
14	61424	HAQUE SIMRAH NADEEM	24	0	12	3	0	1.78	5
15	61524	HASBE PRAJAKTA RAJKUMAR	24	24	24	6	2	2.78	11
16	61624	JADHAV OMKAR DHONDIBHAU	19	28	24	6	1	2.67	10
17	61724	JADHAV RUTUJA RAMESH	28	28	28	7	2	2.78	12
18	61824	JADHAV SHUBHANKAR RAJENDRA	26	30	28	7	2	2.78	12
19	61924	JAIN DEEPAK VIMALKUMAR	17	25	21	5	2	2.78	10
20	62024	JAIWAR KARAN SURESH	23	27	25	6	2	2.78	11
21	62124	JAYBHAYE TEJSHREE BHAGWAT	26	27	27	7	2	2.78	12
22	62224	KADAM SHRADDHA GAJANAN	27	26	27	7	2	2.78	12
23	62324	KAMBLI SHRUTI SANJAY	24	28	26	7	2	2.78	12
24	62424	KHAN AFIFA MANAWWAR ALI	24	28	26	7	2	2.78	12
25	62524	KHAN MOHD IBRAHIM ABDUL SAL	20	27	24	6	2	2.78	11
26	62624	NIKAM ANAGHA GHANSHYAM	18	23	21	5	2	2.78	10
27	62724	NIKAM ROHIT SHRIMANT	22	22	22	6	2	2.78	11
28	62824	NIKAM VAISHNAVI SHASHIN	31	29	30	8	2	2.78	13
29	62924	OAK GAYATRI AMIT	29	22	26	7	2	2.67	11
30		PAL AMISHA RAMANAND			#DIV/0!	#DIV/0!	0	#DIV/0!	#DIV/0!
31	63124	PATHAK SMITA CHANDRANATH	26	28	27	7	2	2.78	11
32	63224	PAWALE DARSH SANDEEP	20	25	23	6	2	2.67	10
33	63324	POTDAR SANMEGH SANDESH	33	27	30	8	2	2.78	13
34	63424	SAGGAM VAISHNAVI ARJUN	35	36	36	9	2	2.89	13
35	63524	SHRIVASTAVA RISHI SHAILENDRA	24	23	24	6	2	2.78	11
36	63624	SINGH ANJALI MANOJKUMAR	34	33	34	9	2	3.00	14
37	63724	SINGH BHAVNA ANAND	29	29	29	7	2	2.67	11
38	63824	SINGH RICHA PRAVIN	30	33	32	8	2	2.78	13
39	63924	SNEHA KRISHNAN	27	30	29	7	2	2.78	12
40	64024	SUDHARSHAN ARUMUGAM	31	33	32	8	2	2.78	13
41	64124	SURYAVANSHI YASH RAJENDRA	24	26	25	6	2	2.78	11
42	64224	SURYAVANSHI AKSHADA SHARAI	29	30	30	8	2	2.78	13
43	64324	THEVAR MANIGANDAN UDAYKUM	31	33	32	8	2	2.78	13

44	64424	THITE HARSHAD SUBHASH	29	29	29	7	2	2.67	11
45	64524	TITAME DIVYA PRAKASH	25	26	26	7	2	2.67	11
46		VIRKUD SWARALI RASHMIN			#DIV/0!	#DIV/0!	0	#DIV/0!	#DIV/0!
47		WAGH SUHANI LAVESH			#DIV/0!	#DIV/0!	0	#DIV/0!	#DIV/0!
48	64824	YADAV NILESH RAMUJAGIR	29	30	30	8	2	2.78	13
49	64924	YAFIYA MOHAMMED SULAIMAN	33	33	33	8	2	2.78	13
50	65024	APSINGEKAR SAURABH NITIN	20	23	22	6	0	2.33	8
51	65124	ARALEKAR SANJANA TANAJI	25	26	26	7	2	2.78	12
52	65224	BADHE YASH JAYSHING	29	25	27	7	2	2.78	12
53	65324	BENKE POORVA ANIL	28	31	30	8	2	2.78	13
54	65424	DANISHA EVANJALINE ANTHONY	30	27	29	7	2	2.78	12
55	65524	DEORE VEDANTI PRASAD	30	33	32	8	2	2.78	13
56	65624	DESAI SHREEYA RAHUL	34	27	31	8	2	2.67	13
57	65724	DESHMUKH MANASVI PARESH	30	22	26	7	2	2.67	12
58	65824	DSOUZA MYRON NOEL	36	28	32	8	2	2.78	13
59	65924	GANDHI GAURI ANIL	34	31	33	8	2	2.78	13
60	66024	GHADGE SURABHI DIGAMBAR	29	26	28	7	2	2.78	12
61	66124	GUPTA AMAN RAJU	36	32.5	34	9	2	2.89	14
62	66224	GUPTA SHUBHAM ANAND	33	30.5	32	8	2	2.78	13
63	66324	JADHAV SHRAVANI CHANDRAKAN	35	29.5	32	8	2	2.67	13
64	66424	JAIN LACHI SHAILESH	36	28	32	8	2	2.67	13
65	66524	JAIN VANSI MANOJ	29	28.5	29	7	2	2.67	12
66	66624	KOTI SACHIN VEERSHETTY	31	22	27	7	1	2.56	11
67	66724	KOTIAN ISHIKA GANESH	31	27	29	7	2	2.67	12
68	66824	KULKARNI SANIKA VIVEK	32	25	29	7	2	2.78	12
69	66924	KULKARNI SHRAVANI VIKAS	33	31	32	8	2	2.78	13
70	67024	LASRADO RACHEL	34	30	32	8	2	2.78	13
71	67124	MAITRAYEE MAYEKAR	34	25	30	8	2	2.78	13
72	67224	MAYEKAR TEJASVI PRADIP	28	25	27	7	2	2.78	12
73	67324	MORE SAHIL SANJAY	30	23	27	7	2	2.67	12
74	67424	MURARKA DEVANSI SANJAY	24	24	24	6	0	1.89	8
75	67524	NADAR JEFFREIN JERONI JOHN J	35	32	34	9	2	3.00	14
76	67624	NIKUM AYUSHREE MILIND	34	27	31	8	0	2.56	11
77	67724	PALANDE CHINMAYEE MANOJ	32	26	29	7	2	2.78	12
78	67824	PARAB VAISHNAVI GANGADHAR	33	27	30	8	2	2.78	13
79	67924	PILLIKANDLU SAMIRA NASIR	34	32	33	8	2	2.67	13
80	68024	PUJARE TANAYA ANIL	29	25	27	7	2	2.78	12
81	68124	RACHARLA NEERAJA HANUMAND	34	31	33	8	2	2.78	13
82	68224	RAJURE GAURAV GORAKH	29	28	29	7	1	2.56	11
83	68324	RANE MRINMAYI DASHRATH	34	29	32	8	2	2.78	13
84	68424	SAHASRABUDHE PRANAV PRAFU	34	32	33	8	2	2.67	13
85	68524	SALUJA DIYAKAUR RANBIRSINGH	34	34	34	9	2	3.00	14
86	68624	SARVAIYA SAHIL HANIF	27	29	28	7	2	2.33	11
87	68724	SHETTY DISHA RAJESH	28	29	29	7	2	2.78	12
88	68824	SHINDE AAKANSHA RAJARAM	31	24	28	7	2	2.78	12
89	68924	SINGH SAKSHI BINAY	31	26	29	7	2	2.78	12
90	69024	V S SWASTHIKA	31	33	32	8	2	2.78	13
91	69124	TANPURE SIDDHI YOGESH	34	30	32	8	2	2.78	13
92	69224	TARDEJA PARIDHI KAMALKUMAR	30	18	24	6	2	2.67	11
93	69324	TERSE SIDDHESH KESHAV	31	29	30	8	2	2.67	13
94	69424	THORAT YASH UTTAM	30	29	30	8	2	2.67	13
95	69524	TIWARI SUPRAGYA RAKESH CHAN	38	27	33	8	2	2.67	13
96	69624	WAGH SUKHADA SUNIL	34	24	29	7	2	2.67	12

97	69724	YADAV DEVIKA LOKNATH	34	28	31	8	2	2.78	13
98	69824	YADAV PRANJAL PRADIP	33	27	30	8	2	2.78	13
99	69924	DAHATE ESHA VINOD	24	19	22	6	0	2.33	8
100	610024	ANSARI MOHAMMAD ABDULLAH ZIYAUF	33	24	29	7	0	2.44	9
101	610124	CHASKAR SNEHAL SANTOSH	33	22	28	7	2	2.78	12
102	610224	DHAMAPURKAR PRANJALI SANJAY	33	22	28	7	2	2.78	12
103	610324	DHUMAL CHAITALI NAVNATH	32	21	27	7	2	2.67	12
104	610424	GARALE DHANSHRI TANAJI	31	26	29	7	2	2.78	12
105	610524	GAVAND MEETALI SATISH	32	20	26	7	1	2.56	11
106	610624	ISRANI SACHI RAVI	34	24	29	7	2	2.78	12
107	610724	PAIK SHEJAL AVINASH	34	25	30	8	2	2.78	13
108	610824	PRATHYUSH MURALEEDHARAN	34	30	32	8	2	2.78	13
109	610924	SHINDE KUNIKA DATTARAM	33	23	28	7	2	2.78	12
110	611024	SHINDE SANIYA PRAVIN	33	24	29	7	1	2.56	11
111	611124	WADHWANI SONIYA VIKRAM	33	23	28	7	0	2.44	9
112	611224	WELANJKAR GAJESH BHARAT	30	18	24	6	1	2.56	10
113	611324	KAWLE SHUBHAM PRAKASH			#DIV/0!	#DIV/0!	0	#DIV/0!	#DIV/0!
114	611424	TAWARE KUNAL KUNDAN	31	25	28	7	2	2.78	12
Signature of Subject teacher									
Date of filling the mark sheet									

8/5/24 8/5/24



Vivekanand Education Society's COLLEGE OF PHARMACY

Shri Hashu Advani Memorial Complex, Chembur, Mumbai - 400 074.

First sessional (VI - sem)

Examination

Class T.Y.B. Pharm Exam No. 61824

Subject Biotechnology Date 27/01/24

Junior Supervisor No. 42 Supervisor's Signature [Signature]

Main Answer Book		<input checked="" type="checkbox"/>	+	Supplements	<input type="checkbox"/>	=	Total	<input type="checkbox"/>			
Q. No.	1	2	3	4	5	6	7	8	9	10	TOTAL
Marks Obtained	09	08	10								27

Seen
[Signature]
15/01/24
Student Sign & Date

COLLEGE OF PHARMACY
VES
27 JAN 2024
MUMBAI - 74

[Signature]
Signature of the Examiner

- g-t) 1) c) PCR
- 00 2) d) Vector DNA
- 07 3) a) ~~polymerase~~ d) ligase
- 07 4) c) its replication depends on host cell.
- 07 5) a) STR
- 07 6) a) Sanger's sequencing
- 07 7) b) hydrogen bonds
- 01 ✓ 8) a) natural passive
- 01 ✓ 9) a) mIgM
- 01 ✓ 10) c) proline



Vivekanand Education Society's COLLEGE OF PHARMACY

Shri Hashu Advani Memorial Complex, Chembur, Mumbai - 400 074.

Second sessional theory Examination

Class T4B pharm Exam No. 65624

Subject pharm. Bioreac Date 19/3/24

Junior Supervisor No. _____ Supervisor's Signature BOM

Main Answer Book <input type="checkbox"/> + Supplements <input type="checkbox"/> = Total <input type="checkbox"/>											
Q. No.	1	2	3	4	5	6	7	8	9	10	TOTAL
Marks Obtained	07	09	9								25

Seen
24/3/24
Student Sign & Date

Signature of the Examiner

Q.1

1. (d) IV ✓
2. (b) denovo ✓
3. (a) dextrans ✓
4. (c) Crosslinking technique
5. (a) Stabilizer
6. (c) Baffle
7. (a) phenylacetic acid
8. (d) either antigen or antibody
9. (b) Pseudomonas denitrificans
10. (d) TAB

TY/QA/Quiz

Div A Sem. VI

Date 15-2-23

Quiz on Unit II, Pharmaceutical Quality assurance TY B Pharm. Div. A, Sem VI 2022-23

Course coordinator: Dr. Harsha Kathpalia

Timestamp	Score	Name	Roll Number	Class
2-15-2023 9:34:42		8 / 18 Nidhi Nadgoud		62523 Third Year B Pharm
2-15-2023 9:34:42		8 / 18 Anjali Anil Chaurasiya		61023 Third Year B Pharm
2-15-2023 9:35:29		10 / 18 Pragya		20 Third Year B Pharm
2-15-2023 9:36:09		14 / 18 Anushka Sawant		44 Third Year B Pharm
2-15-2023 9:36:33		9 / 18 Ekta Sharma		46 Third Year B Pharm
2-15-2023 9:37:05		13 / 18 Krish.Mahendra.Chaud		60923 Third Year B Pharm
2-15-2023 9:37:07		11 / 18 Kashish Jain		19 Third Year B Pharm
2-15-2023 9:37:15		13 / 18 Nidhi Arvind Gawade		12 Third Year B Pharm
2-15-2023 9:37:18		9 / 18 Mohit Prabhu		63622 Third Year B Pharm
2-15-2023 9:37:18		13 / 18 Khedkar pratiksha pan		62223 Third Year B Pharm
2-15-2023 9:37:45		8 / 18 Rishabh Tarun Sahita		64023 Third Year B Pharm
2-15-2023 9:37:48		9 / 18 Tanaya Adurkar	01	Third Year B Pharm
2-15-2023 9:38:01		13 / 18 Kudterkar Abhidnya De		62323 Third Year B Pharm
2-15-2023 9:38:03		10 / 18 Grishma Jadhav		61722 Third Year B Pharm
2-15-2023 9:38:14		14 / 18 Patel Heet Dhanji		62823 Third Year B Pharm
2-15-2023 9:38:23		12 / 18 Mayur Chunilal Patil		33 Third Year B Pharm
2-15-2023 9:38:35		14 / 18 Pratheesh Amal Arul		60223 Third Year B Pharm
2-15-2023 9:38:42		13 / 18 Shantanu Bachhav		60423 Third Year B Pharm
2-15-2023 9:38:47		14 / 18 Anuj Avhad	03	Third Year B Pharm
2-15-2023 9:38:50		14 / 18 Rishit Dilip Puthran		37 Third Year B Pharm
2-15-2023 9:39:09		14 / 18 Chinmayee Bhide		60723 Third Year B Pharm
2-15-2023 9:39:41		11 / 18 Anagha patil		62923 Third Year B Pharm
2-15-2023 9:39:43		10 / 18 Apurva Ghadigaonkar		13 Third Year B Pharm
2-15-2023 9:39:44		7 / 18 Siddhi Mane		24 Third Year B Pharm
2-15-2023 9:39:48		14 / 18 Anurag Patel		27 Third Year B Pharm
2-15-2023 9:40:03		14 / 18 Lekha Patil		63223 Third Year B Pharm
2-15-2023 9:40:06		14 / 18 Priyal Bangera	06	Third Year B Pharm
2-15-2023 9:40:11		6 / 18 Sanika indulkar		16 Third Year B Pharm
2-15-2023 9:40:15		13 / 18 Rutuja Suhas Bhosale		65523 Third Year B Pharm
2-15-2023 9:40:39		12 / 18 Darsh Jain		18 Third Year B Pharm
2-15-2023 9:40:40		12 / 18 Sunny Roy		63923 Third Year B Pharm
2-15-2023 9:40:43		13 / 18 Sakshi Patil		34 Third Year B Pharm
2-15-2023 9:40:45		13 / 18 Chinmaya Patil		63023 Third Year B Pharm
2-15-2023 9:40:46		14 / 18 Om Chuvekar		57 Third Year B Pharm
2-15-2023 9:40:46		12 / 18 KrishnaG		61123 Third Year B Pharm
2-15-2023 9:40:47		13 / 18 Pranit Shemadkar		64723 Third Year B Pharm
2-15-2023 9:40:55		13 / 18 Akanksha shinde		64823 Third Year B Pharm
2-15-2023 9:40:59		13 / 18 Sitesh Tandulkar		65223 Third Year B Pharm
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2-15-2023 9:43:13		14 / 18 Rohit sarak		42 Third Year B Pharm
2-15-2023 9:45:16		4 / 18 Kunjal Batra		65423 Third Year B Pharm
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2-15-2023 9:48:13		10 / 18 Sanika Chorghhe		56 Third Year B Pharm
2-15-2023 9:48:22		11 / 18 Aditya satish sapkal.		64123 Third Year B Pharm
2-15-2023 9:49:03		7 / 18 Piyush Hande		61523 Third Year B Pharm

Harsha TKa

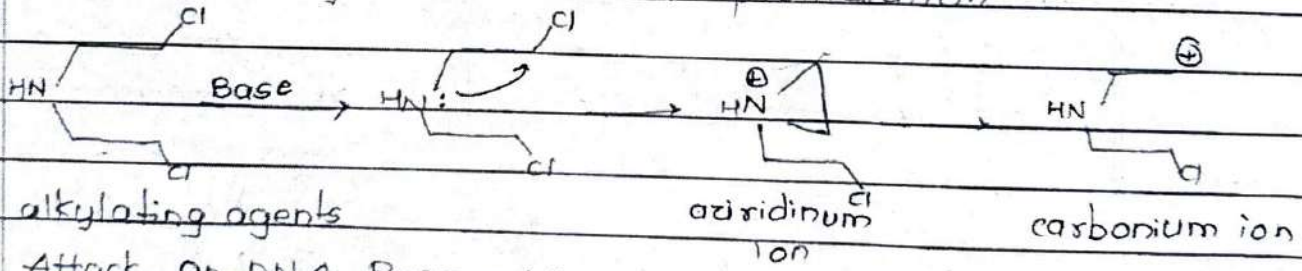
Anti-Cancer Agents

Good

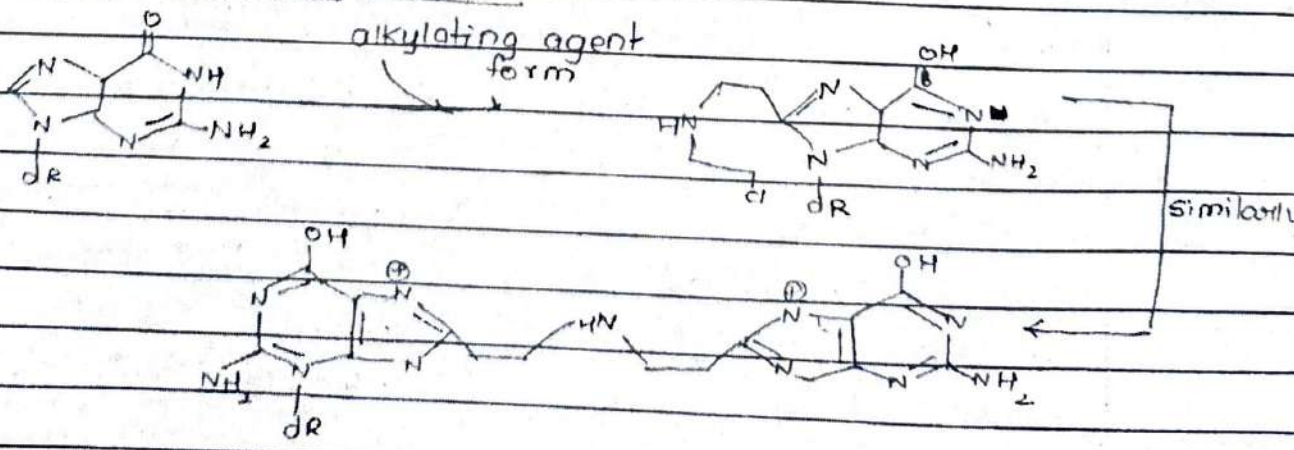
- Q1. chemistry involved in decreasing cell proliferation
- Ans General mechanism of action of Alkylating agents
- Alkylating agents that show anticancer agent effect by decreasing cell proliferation through alkylating DNA base pair.
 - The usual site is N_7 position of Guanine
 - The DNA base pair acts as nucleophile while alkylating agents as electrophile
 - Alkylation of DNA ultimately leads to cell death

MOA of Alkylating agents

- Alkylating agents act by forming an aziridinium & further a highly reactive carbonium ion.
- This acts as nucleophile, hence alkylating & causing structural modifications in DNA.
- This leads to cross linking, mispairing of & DNA strand breakage
- This ultimately leads to ↓ cell proliferation



Attack on DNA Base pair



Consequences leading to cell death

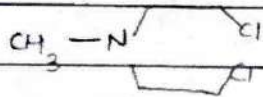
1. Alkylated DNA can be hydrolysed causing depurination
2. Exhibition of tautomeric tautomers causing mispairing
3. Increased acidity of N, causeswitterion formation and mispairing.
4. Replication blocked by interstrand links.

Q2. Comment on SAR on development of class

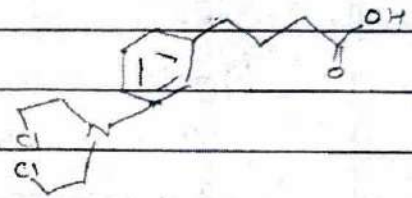
Ans Development of Nitrogen mustards.

1. Mechlorethanamine

2. Chlorambucil



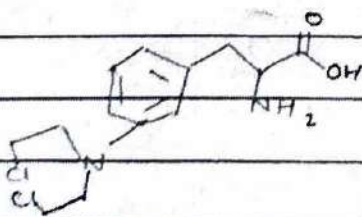
- e⁻ donating group
- highly reactive less selective
- can cause cellular toxicity
- Antidote: Na thiosulfate



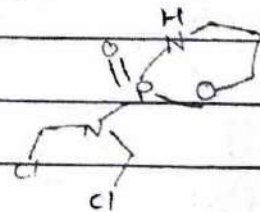
- e⁻ withdrawing group
- Orally bioavailable

3. Nephalan

4. Cyclophosphamide



- phenyl alanine derivative
- Resonance stabilised
- lesser selective
- Orally administered
- less reactive



- prodrug, needs to be activated
- chiral molecule
- acrolein metabolite, highly active
- Toxic
- Antidote available