



VISHAL JUNNAR SEVA MANDAL'S

VISHAL INSTITUTE OF PHARMACEUTICAL EDUCATION & RESEARCH

Dr. S. L. Jadhav
Principal

Ale, Tal. Junnar, Dist. Pune-412411 | Contact No. : 9892376014 | E-mail : vjasm.principal@gmail.com | Website: www.viperale.com

P.C.I. Inst. Code : PCI-2620 | D.T.E. Inst. Code : 6361 | University I.D. No. : CPHP012670

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EXAMINATION COMMITTEE CONSTITUTION 2023-24

SR. NO.	NAME OF MEMBER	CONTACT	ROLE
1.	DR. SURESH LAXMAN JADHAV Teaching PRINCIPAL	9892376014	Chairman
2.	DR GAYATRI SHANKAR DHOBALÉ Teaching PROFESSOR	9975556865	Member Secretary
3.	ABHIJEET ASHOK SONAWANE Teaching ASSO. PROFESSOR	9561390109	Member
4.	SACHIN SUBHASH KADAM Teaching ASSO. PROFESSOR	9766137168	Member
5.	MANOJ.VITTHALRAO GADHAVE Teaching PROFESSOR	9970322090	Member




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ACADEMIC CALENDER SPPU 2023-24

Savitribai Phule Pune University

Circular No. 92 of 2023
Dates of Commencement and Conclusion of the Academic Year 2023-24
for Affiliated Colleges and Institutes.

It is hereby informed that, the dates of commencement and conclusion of the First and Second term of Courses, under the faculty of **Science & Technology**, for the academic year 2023-24 shall be as under:

Term – I

Sr. No.	Course, Programme, Year	Commencement	Conclusion	Tentative Commencement Exam	Vacation	
					From	To
1	Science	20/06/2023	31/10/2023	01/11/2023	01/11/2023	21/11/2023
2	B.E.: II	10/07/2023	11/11/2023	16/11/2023	20/11/2023	10/12/2023
3	B.E.: III IV	10/07/2023	04/11/2023	07/11/2023	20/11/2023	10/12/2023
4	M.E.: II	10/07/2023	11/11/2023	16/11/2023	20/11/2023	10/12/2023
5	B.Arch.: II	10/07/2023	11/11/2023	16/11/2023	20/11/2023	10/12/2023
6	B.Arch.: III IV V	12/07/2023	04/11/2023	28/11/2023	20/11/2023	10/12/2023
7	M.Arch.:II	12/07/2023	04/11/2023	28/11/2023	20/11/2023	10/12/2023
8	B. Pharm: II	04/09/2023	30/12/2023	05/01/2024	17/01/2024	06/02/2024
9	B.Pharm:III,IV	12/07/2023	04/11/2023	28/11/2023	20/11/2023	10/12/2023
10	M. Pharm: II	04/09/2023	30/12/2023	05/01/2024	17/01/2024	06/02/2024

Term – II

Sr. No.	Course, Programme, Year	Commencement	Conclusion	Tentative Commencement Exam	Vacation	
					From	To
1	Science	22/11/2023	30/04/2024	01/05/2024	02/05/2024	15/06/2024
2	B.E.: II	26/12/2023	04/05/2024	13/05/2024	16/05/2024	23/06/2024
3	B.E.: III IV	26/12/2023	04/05/2024	13/05/2024	16/05/2024	23/06/2024
4	M.E.: II	26/12/2023	04/05/2024	13/05/2024	16/05/2024	23/06/2024
5	B.Arch.: II	26/12/2023	04/05/2024	13/05/2024	16/05/2024	23/06/2024
6	B.Arch.: III IV V	26/12/2023	04/05/2024	13/05/2024	16/05/2024	23/06/2024
7	M.Arch.:II	26/12/2023	04/05/2024	13/05/2024	16/05/2024	23/06/2024
8	B. Pharm: II	15/01/2024	30/05/2024	05/06/2024	01/06/2024	15/07/2024
9	B.Pharm:III,IV	26/12/2023	04/05/2024	13/05/2024	16/05/2024	23/06/2024
10	M. Pharm: II	15/02/2024	30/05/2024	05/06/2024	01/06/2024	15/07/2024

NOTE :

- The dates of commencement and conclusion of the all those courses whose admission is made under Common Entrance Test (CET) conducted by Government of Maharashtra / Savitribai Phule Pune University will be declared separately.
- In case, the Head of the college requires to give additional holidays in exceptional circumstances, he/she may do so by compensating the same by keeping the college working on holidays.

Ref. No. PGS/ 2453
Date: 30/05/2023

[Signature]
Deputy Registrar
(P.G. Admission)



[Signature]
PRINCIPAL

VISHAL INSTITUTE OF PHARMACEUTICAL
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Savitribai Phule Pune University

Circular No. 199 of 2023
Dates of Commencement and Conclusion of the Academic Year 2023-24
for Affiliated Colleges and Institutes.

It is hereby informed that, the dates of commencement and conclusion of the First and Second terms of Courses, under the faculty of Science & Technology, for the academic year 2023-24 shall be as under:

Term - I

Sr. No.	Course, Programme, Year	Commencement	Conclusion	Tentative Commencement Exam	Vacation	
					From	To
1	B.Pharm-I	29/08/2023	20/12/2023	21/12/2023	21/12/2023	07/01/2024
2	M.Pharm-I	13/09/2024	06/01/2024	08/01/2024	07/01/2024	28/01/2024

Term - II

Sr. No.	Course, Programme, Year	Commencement	Conclusion	Tentative Commencement Exam	Vacation	
					From	To
1	B.Pharm-I	08/01/2024	04/05/2024	06/05/2024	06/05/2024	16/06/2024
2	M.Pharm-I	01/02/2024	31/05/2024	03/06/2024	01/06/2024	14/07/2024

NOTE :
In case, the Head of the college requires to give additional holidays in exceptional circumstances, he/she may do so by compensating the same by keeping the college working on holidays.

Ref. No. PGS/ 3645
Date: 26/02/2023

(Signature)
Deputy Registrar
(P.G. Admission)

Copy to: for Information and necessary action

- The Members of the Management Council.
- The Deans of Faculties.
- The Registrar, Savitribai Phule Pune University, Pune.
- The Director, Board of Examinations & Evaluation, Savitribai Phule Pune University, Pune.
- The Heads of all University Departments.
- The Principals of all Affiliated Colleges.
- The Directors of all Recognized Institutes.
- The Heads of all the Administrative Sections of the University Office.
- Asstt. Registrar, office of the Hon. Vice-Chancellor, Savitribai Phule Pune University
- Asstt. Registrar, office of the Hon. Pro-Vice-Chancellor, Savitribai Phule Pune University

(Signature)
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ALE TAL-JUNNAR DIST-PUNE 412411



(Signature)
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Savitribai Phule Pune University



Circular No. 92 of 2023

Dates of Commencement and Conclusion of the Academic Year 2023-24 for Affiliated Colleges and Institutes.

It is hereby informed that, the dates of commencement and conclusion of the First and Second term of Courses, under the faculty of **Science & Technology**, for the academic year 2023-24 shall be as under:

Term – I

Sr. No.	Course, Programme, Year	Commencement	Conclusion	Tentative Commencement Exam	Vacation	
					From	To
1	Science	20/06/2023	31/10/2023	01/11/2023	01/11/2023	21/11/2023
2	B.E.: II	10/08/2023	04/12/2023	06/12/2023	07/12/2023	25/12/2023
3	B.E.: III IV	10/07/2023	04/11/2023	07/11/2023	11/11/2023	02/12/2023
4	M.E.: II	10/08/2023	04/12/2023	06/12/2023	07/12/2023	25/12/2023
5	B.Arch.: II	14/08/2023	04/12/2023	05/12/2023	05/12/2023	18/12/2023
6	B.Arch.: III IV V	12/07/2023	04/11/2023	28/11/2023	20/11/2023	10/12/2023
7	M.Arch.:II	04/09/2023	06/01/2024	08/01/2024	08/01/2024	22/01/2024
8	B. Pharm: II	04/09/2023	30/12/2023	05/01/2024	17/01/2024	06/02/2024
9	B.Pharm:III,IV	12/07/2023	04/11/2023	28/11/2023	20/11/2023	10/12/2023
10	M. Pharm: II	04/09/2023	30/12/2023	05/01/2024	17/01/2024	06/02/2024

Term – II

Sr. No.	Course, Programme, Year	Commencement	Conclusion	Tentative Commencement Exam	Vacation	
					From	To
1	Science	22/11/2023	30/04/2024	01/05/2024	02/05/2024	15/06/2024
2	B.E.: II	01/01/2024	30/04/2024	06/05/2024	04/05/2024	11/06/2024
3	B.E.: III IV	11/12/2023	30/04/2024	06/05/2024	04/05/2024	11/06/2024
4	M.E.: II	01/01/2024	30/04/2024	06/05/2024	04/05/2024	11/06/2024
5	B.Arch.: II	26/12/2023	27/04/2024	29/04/2024	06/05/2024	16/06/2024
6	B.Arch.: III IV V	26/12/2023	04/05/2024	13/05/2024	16/05/2024	23/06/2024
7	M.Arch.:II	23/01/2024	20/05/2024	23/05/2024	24/05/2024	30/06/2024
8	B. Pharm: II	15/01/2024	30/05/2024	05/06/2024	01/06/2024	15/07/2024
9	B.Pharm:III,IV	26/12/2023	04/05/2024	13/05/2024	16/05/2024	23/06/2024
10	M. Pharm: II	07/02/2024	05/06/2024	10/06/2024	06/06/2024	15/07/2024

NOTE :

- The dates of commencement and conclusion of the all those courses whose admission is made under Common Entrance Test (CET) conducted by Government of Maharashtra / Savitribai Phule Pune University will be declared separately.
- In case, the Head of the college requires to give additional holidays in exceptional circumstances, he/she may do so by compensating the same by keeping the college working on holidays.

Ref. No. PGS/2453
Date: 30/05/2023


Deputy Registrar
(P.G.Admission)



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Savitribai Phule Pune University



Circular No. 190 of 2023

Dates of Commencement and Conclusion of the Academic Year 2023-24 for Affiliated Colleges and Institutes.

It is hereby informed that, the dates of commencement and conclusion of the First and Second term of Courses, under the faculty of **Science & Technology**, for the academic year 2023-24 shall be as under:

Term – I

Sr. No.	Course, Programme, Year	Commencement	Conclusion	Tentative Commencement Exam	Vacation	
					From	To
1	B.Pharm-I	29/08/2023	20/12/2023	21/12/2023	21/12/2023	07/01/2024
2	M.Pharm-I	13/09/2024	06/01/2024	08/01/2024	07/01/2024	28/01/2024

Term – II

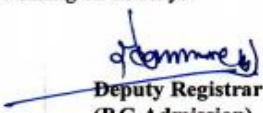
Sr. No.	Course, Programme, Year	Commencement	Conclusion	Tentative Commencement Exam	Vacation	
					From	To
1	B.Pharm-I	08/01/2024	04/05/2024	06/05/2024	06/05/2024	16/06/2024
2	M.Pharm-I	01/02/2024	31/05/2024	03/06/2024	01/06/2024	14/07/2024

NOTE :

In case, the Head of the college requires to give additional holidays in exceptional circumstances, he/she may do so by compensating the same by keeping the college working on holidays.

Ref. No. PGS/ 3645

Date: 26/08/2023


Deputy Registrar
(P.G.Admission)

Copy to: for Information and necessary action

- The Members of the Management Council.
- The Deans of Faculties.
- The Registrar, Savitribai Phule Pune University, Pune.
- The Director, Board of Examinations & Evaluation, Savitribai Phule Pune University, Pune.
- The Heads of all University Departments.
- The Principals of all Affiliated Colleges.
- The Directors of all Recognized Institutes.
- The Heads of all the Administrative Sections of the University Office.
- Asstt. Registrar, office of the Hon. Vice-Chancellor, Savitribai Phule Pune University
- Asstt. Registrar, office of the Hon. Pro-Vice-Chancellor, Savitribai Phule Pune University



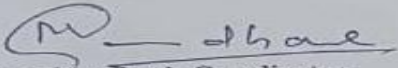
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Sr. No.	Events	Date
1	Commencement Of Academic Classes	12/07/2023
2	Diwali Vacation	15 Days
3	Sessional Exam Term I	2 ND To Final Year Sessional Exam In Months October And December 2023
4	1st Term University Exam	Months Of Jan.- Feb2024
5	Sessional Exam Term I	2 ND To Final Year Sessional Exam In Months March And April 2024
6	2 nd Term University Exam	May -2024
7	Summer Vacation	June 2024 28 Days


 Sign of Academic Coordinator




 Sign of Principal

Issue 01 DATE: 19.06.2017

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Vishal Junnar Seva Mandal's
Vishal Institute Of Pharmaceutical Education And Research
A/P- Ale, Tal-Junnar, Dist-Pune, Maharashtra – 412411

ACA/DI/01	Department: All Department	Academic Year:
Rev : 01 Dated 19-06-2017	Academic Calendar (M. Pharm.)	2023-24
SR. No.	Events	Date
01	Commencement of Academic	04/09/2023 For SY M Pharm First Year M. Pharm: 14/10/2023
02	Teachers Day	05/09/2023
03	Vijaydashmi	24/10/2023
04	Rastriya Ekta diwas	31/10/2023
05	Chrisms	25/12/2023
06	Republic Day	26/01/2024
07	Freshers Welcome Day	First week of Oct. 2023
08	Sessional Examination (Term-I)	1 st Sessional: (F Y M Pharm): (S Y M Pharm): 01/11/2023 2 nd Sessional: (FYMPharm): 15/12/2024 (SYMPharm): 04/12/2023 Practical After Theory Exam
09	Industrial Tour	2 nd week of Nov. 2024
10	Diwali Vacation	2 Weeks
11	Ist Term End University Examination	Theory- 1 st week of Feb.2023 Practical After Theory Exam. S.Y. M. Pharm: 05/01/2024
12	Conclusion of Term-I	30/12/2023 For F.Y. M.Pharm. 06/01/2024
13	Vacation	For F.Y. M.Pharm 07/01-28/01/2024
14	Commencement of Second Term	01/02/2024 F.Y. M.Pharm.:01/02/2024
15	Blood Donation Camp	First week of Feb.2024
16	Pharmastov 2024	First week of Feb.2024
17	University Foundation Day	10/02/2024
18	Sessional Examination (Term-II)	Sessional: (FYMPharm): 01/03/2024



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Vishal Institute Of Pharmaceutical Education And Research
A/P- Ale, Tal-Junnar, Dist-Pune, Maharashtra - 412411

ACA/DI/01	Department: All Department	Academic Year: 2023-24
Rev : 01 Dated 19-06-2017	Academic Calendar (M. Pharm.)	
		2 nd Sessional: (FYMPHarm): 01/05/2024 (SYMPharm): 15/05/2024 Practical After Theory Exam
19	II nd Term End University Examination	Theory- (FYMPHarm): 03/06/2024 (SYMPharm): 10/06/2024 Practical After Theory Exam.
20	Conclusion of Term-II	31/05/2024
21	Summer Vacation	01/06/2024 to 14/07/2024

NOTE: ANY ADDITION/CHANGE/REMOVE IN ABOVE SCHEDULE

Prepared By: Dr. Dhobale S.M.

Approved By: Dr. D. D. Gaikwad

Copy To:

1. CEO
2. Principal
3. Staff

Principal
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Model Assignment

Sub:- Pharmaceutical Inorganic Chemistry
Roll No:- 01
Date:- 29/01/2024
Assignment Name:- Atomic Weight

	Symbol	Element Name	Atomic Weight
①	H	Hydrogen	1.0079
②	He	Helium	4.0026
③	Li	Lithium	6.941
④	Be	Beryllium	9.0122
⑤	B	Boron	10.811
⑥	C	Carbon	12.0107
⑦	N	Nitrogen	14.0067
⑧	O	Oxygen	15.9994
⑨	F	Fluorine	18.9984
⑩	Ne	Neon	20.1797
⑪	Na	Sodium	22.9897
⑫	Mg	Magnesium	24.305
⑬	Al	Aluminium	26.9815




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14	Si	Silicon	28.0855
15	P	Phosphorus	30.9738
16	S	Sulphur	32.065
17	Cl	Chlorine	35.453
18	Ar	Argon	39.94
19	K	Potassium	39.09
20	Ca	Calcium	40.07
21	Sc	Scandium	44.95
22	Ti	Titanium	47.86
23	V	Vanadium	50.94
24	Cr	Chromium	51.99
25	Mn	Manganese	54.93
26	Fe	Iron	55.84
27	Co	Cobalt	58.93
28	Ni	Nickel	58.69
29	Cu	Copper	63.54
30	Zn	Zinc	65.39



[Signature]
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31	Ga	Gallium	69.723
32	Ge	Germanium	72.64
33	As	Arsenic	74.92
34	Se	Selenium	78.96
35	Br	Bromine	79.90
36	Kr	Krypton	83.8
37	Rb	Rubidium	85.46
38	Sr	Strontium	87.62
39	Y	Yttrium	88.90
40	Zr	Zirconium	91.224
41	Nb	Niobium	92.90
42	Mo	Molybdenum	95.94
43	Tc	Technetium	98
44	Ru	Ruthenium	101.07
45	Rh	Rhodium	102.90
46	Pd	Palladium	106.9
47	Ag	Silver	107.86



[Signature]
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48	cd	Cadmium	112.411
49	ln	Indium	114.818
50	sn	Tin	118.71
51	sb	Antimony	121.76
52	Te	Tellurium	127.6
53	I	Iodine	126.90
54	Xe	Xenon	131.29
55	Cs	Cesium	132.90
56	Ba	Barium	137.32
57	La	Lanthanum	138.90
58	Ce	Cerium	140.116
59	Pr	Praseodymium	140.90
60	Nd	Neodymium	144.24
61	Pm	Promethium	145
62	Sm	Samarium	150.36
63	Eu	Europium	151.96
64	Gd	Gadolinium	157.25


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Principal

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P.C.I. Inst. Code : PCI-2620 | D.T.E. Inst. Code : 6361 | University I.D. No. : CPHP012670

65	Tb	Terbium	158.92
66	DY	Dysprosium	162.5
67	Ho	Holmium	164.93
68	Er	Erbium	167.259
69	Tm	Thulium	168.93
70	Yb	Ytterbium	173.04
71	Lu	Lutetium	174.967
72	Hf	Hafnium	178.49
73	Ta	Tantalum	180.94
74	W	Tungsten	183.84
75	Re	Rhenium	186.207
76	Os	Osmium	190.23
77	Ir	Iridium	192.225
78	Pt	Platinum	195.084
79	Au	Gold	196.96
80	Hg	Mercury	200.59
81	Tl	Thallium	204.38




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82	Pb	Lead	207.2
83	Bi	Bismuth	208.9
84	Po	Polonium	209
85	At	Astatine	210
86	Rn	Radon	222
87	Fr	Francium	223
88	Ra	Radium	226
89	Ac	Actinium	227
90	Th	Thorium	232.03
91	Pa	Protactinium	231.03
92	U	Uranium	238.02
93	Np	Neptunium	237
94	Pu	Plutonium	244
95	Am	Americium	243
96	Cm	Curium	247
97	Bk	Berkelium	247
98	Cf	Californium	251



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99	Es	Einsteinium	252
100	Fm	Fermium	257
101	Md	Mendelevium	258
102	No	Nobelium	259
103	Lr	Lawrencium	262
104	Rf	Rutherfordium	267
105	Db	Dubnium	262
106	Sg	Seaborgium	269
107	Bh	Bohrium	264
108	Hs	Hassium	269
109	Mt	Mettnerium	268
110	Ds	Darmstadtium	261.9
111	Rg	Roentgenium	271.8
112	Cn	Copernicium	285
113	Nh	Nihonium	286
114	Fl	Flerovium	289
115	Mc	Moscovium	290.196




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116	LV	Livermorium	293
117	TS	Tennessee	294
118	og	Oganesson	294



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TIME TABLE FOR INTERNAL EXAMS 2023-24



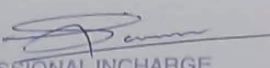
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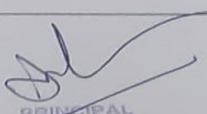
EXAM.DL32	Department: Examination	Academic Year: 2023-24
Rev : 00	Department	
Date: 03.11.2023	Sessional Time Table (B.Pharm.)	

Time table for B.Pharm. (2019 Pattern) IInd Sessional (T.Y. & Final Y. B.Pharm.)
Ist Sessional (S. Y. B. Pharm.) Examination 2023-24

Sr. No.	Day & Date	S.Y. B.Pharm. Sem-III	T.Y. B.Pharm. Sem-V	Final Yr. B.Pharm. Sem-VII
	Time :-	02.30pm to 04.00pm	10.30am to 12.00pm	2.30pm to 4.00pm
1	31.10.2023 Tuesday	BP301T Pharmaceutical Organic Chemistry-II	BP501T Medicinal Chemistry-II	BP701T Instrumental Methods of Analysis
2	01.11.2023 Wednesday	BP302T Physical Pharmaceutics -I	BP502T Industrial Pharmacy- I	BP 702T Industrial Pharmacy- II
3	02.11.2023 Thursday	BP303T Pharmaceutical Microbiology	BP503T Pharmacology- II	BP703T Pharmacy Practice
4	03.11.2023 Friday	BP304T Pharmaceutical Engineering	BP504T Pharmacognosy and Phytochemistry-II	BP704T Novel Drug Delivery System
5	06.11.2023 Monday		BP505T Pharmaceutical Jurisprudence	--

Practical exam is scheduled from 23.10.2023 - 30.10.2023 as per Academic timetable.
Note: Tuesday's Academic schedule shall take effect on 30.10.2023.


 SESSIONAL INCHARGE
 V.I.P.E.R., ALE(PH 328)


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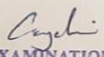
EXAM/DI/32	Department: Examination	Academic Year: 2023-24
Rev : 00	Department	
Date: 13/04/2024	Sessional Time Table (B.Pharm.)	

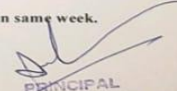
Time table for Second Sessional (B.Pharm. 2019 Pattern) Examination

Sr. No.	Day & Date	F.Y. B.Pharm. Sem-II	S.Y. B.Pharm. Sem-IV
	Time :-	11.00am- 12.30pm	11.00am- 12.30pm
1	06/05/2024 Monday	Human Anatomy & Physiology -II	Pharm. Organic Chemistry – III
2	07/05/2024 Tuesday	Pharm. Organic Chemistry-I	Medicinal Chemistry-I
3	08/05/2024 Wednesday	Biochemistry	Physical Pharmaceutics-II
4	09/05/2024 Thursday	Pathophysiology	Pharmacology-I
5	10/05/2024 Friday	Environmental Science	Pharmacognosy & Phytochemistry-I
6	11/05/2024 Saturday	Computer Application in Pharmacy	Computer Application in Pharmacy (For Direct S.Y.Students)

Practical Examination Schedule: Practical exam shall be conducted as per academic schedule from 29.04.2024 to 04.05.2024.

Note: Wednesday's Academic schedule shall take effect on off schedule in same week.


COLLEGE EXAMINATION OFFICER
COLLEGE CODE-1028


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ACA/DI/33	Department: examination department	A.Y.: 2023-24
DATED :19/06/2017	M.PHARM	Class: F.Y.M. Pharm
RIV :00		Department: MPH/MQA
Date: 15/03/2024		Sem-II

Time table for Second Sessional (M.Pharm. 2019 Pattern) Examination

Department: PHARMACEUTICS

Sr. No.	Day and Date	Time	Name of Subject
1	Monday; 06/05/2024	11.00 am to 12.30 pm	Molecular Pharmaceuticals (MPH201T)
2	Tuesday; 07/05/2024	11.00 am to 12.30 pm	Advanced Biopharm. P'kinetics (MPH202T)
3	Wednesday; 08/05/2024	11.00 am to 12.30 pm	Computer Aided Drug Del. (MPH203T)
4	Thursday; 09/05/2024	11.00 am to 12.30 pm	Cosmetics and Cosmeceuticals (MPH204T)
5	Friday; 10/05/2024	10.00 am to 5.00 pm	Pharmaceutics Practical's-II (MPH205P)

Department: PHARMACEUTICAL QUALITY ASSURANCE

Sr.No.	Day and Date	Time	Name of Subject
1	Monday; 06/05/2024	11.00 am to 12.30 pm	Hazards and Safety Management (MQA201T)
2	Tuesday; 07/05/2024	11.00 am to 12.30 pm	Pharmaceutical Validation (MQA202T)
3	Wednesday; 08/05/2024	11.00 am to 12.30 pm	Audits and Regulatory Compliance (MQA203T)
4	Thursday; 09/05/2024	11.00 am to 12.30 pm	Pharm. Manufacturing Technology (MQA204T)
5	Friday; 10/05/2024	10.00 am to 5.00 pm	Pharmaceutical Quality Ass. Pract-II (MQA205P)

Kanchi
Examination In-Charge
COLLEGE EXAMINATION OFFICER
COLLEGE CODE-1023



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MODEL SESSIONAL THEORY SESSIONAL QUESTION PAPER

[illegible]


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MODEL THEORY UNIVERSITY QUESTION PAPERR

Total No. of Questions : 3]
P-5734

SEAT No. :
[Total No. of Pages : 2

[6110]-508
T.Y. B. Pharmacy
BP606T : PHARMACEUTICAL QUALITY ASSURANCE
(2019 Pattern) (Semester-VI)

Time : 3 Hours] [Max. Marks : 75

Instructions to the candidates :

- 1) All questions are compulsory.
- 2) Figures to the right indicate full marks.

Q1) Attempt any five of the following. [15]

- a) What are the quality control tests for secondary packaging materials?
- b) Write down the waste disposal procedure in pharmaceutical industry?
- c) What is the importance of training in pharmaceutical industry.
- d) Differentiate between validation and calibration.
- e) Give the full forms for CDSCO, USFDA, WHO, PIC/S, TQM, ISO.
- f) State the meaning of ICH QSEM.
- g) Write down the benefits of ISO 9000 and ISO 14000.

Q2) Attempt any two of the following. [20]

- a) Explain in detail CPCSEA guidelines for the conduct of preclinical studies.
- b) Write down the importance of document maintenance in pharmaceutical industry. Discuss batch formula record with suitable example.
- c) Elaborate the types of validation. Write down the importance of Validation.
- d) Write down the guidelines for the design, construction and plant layout of sterile areas in pharmaceutical industry.

P.T.O.



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Q3) Attempt any eight of the following.

[40]

- Write down the requirements of effective closure. What are quality control tests for rubber closures.
- Discuss the importance and responsibilities of quality Assurance unit as per GLP guidelines.
- Explain in brief procedure for handling and evaluation of complaints about product quality in the pharmaceutical industry.
- What is SOP? Write down the guidelines for writing SOP? Give a representative format for SOP.
- Enlist and explain the parameters considered for analytical method validation.
- Discuss raw material management in pharmaceutical industry.
- Write down the guidelines for maintenance of stores in pharmaceutical industry.
- Write in brief procedure for NABL accreditation.
- Write down criteria for selection and purchase of equipments.
- What is Quality by design? Give the overview of QBD elements.

[6110]-508

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MODEL THEORY SESSIONAL INVIGILATION REGISTER

VISHAL INSTITUTE OF PHARMACEUTICAL SESSIONAL INVIGILATION							
Sr. No.	Day & Date	Time	Subject	Class	Sem	Hall No.	Name of Supervisor
First Sessional Exam Even Sem 2023-24							
1	Monday 18/3/24	11-12:30	HAP-II	F.Y.	II	01	Prof. Chinchwadkar A.R.
						02	Prof. Gadhave N.S.
			M.C. III	T.Y.	VI	03	Prof. Kalhe S.S.
						04	Prof. Kaser AD
		2-3:30	POC III	S.T.	IV	01	Prof. Pawar S.B.
						02	Prof. Halkar M.S.
			Biostat & R.I.V	Final	VIII	03	Prof. Wagh R.T.
						04	Prof. Bhargava S.T.
2	Tuesday 19/3/24	11-12:30	POC-I	F.Y.	II	01	Prof. Gadhave N.S.
						02	Prof. Jorvekar A.R.
			Ecology III	T.Y.	VI	03	Prof. Gaware R.V.
						04	Prof. Dhobale S.M.
		2-3:30	POC-I	S.T.	IV	01	Prof. Kadam S.S.
						02	Prof. Wagh R.T.
			Social & Policy	Final	VIII	03	Prof. Chinchwadkar A.R.
						04	Prof. Kalhe S.S.
3	Wed 20/3/24	11-12:30	Biochem	F.Y.	II	01	Prof. R. Kumbhar
						02	Prof. Kadam S.S.
			HDT	T.Y.	VI	03	Prof. Jorvekar A.R.
						04	Prof. Gaware R.V.
		2-3:30	P.P. II	S.Y.	IV	01	Prof. S.B. Pawar
						02	Prof. S.M. Dhobale
			P Marketing	Final	VIII	03	Prof. N.S. Gadhave
						04	Prof. S.T. Bhargava
		11-12:30	Pharm	M.A.	II	01	Prof.
			High Safety Pharm	MQA			

SEVA MANDAL'S EDUCATION AND RESEARCH REGISTER							
Main Answer Books			Supplements			Total Answer Books	Signature of Supervisor
Issued	Returned	Used	Issued	Returned	Used		
31	00	31	10	09	1	61	Prof. Gadhave N.S.
31	01	30	10	08	2	61	Prof. Gadhave N.S.
38	01	38	70	05	65	75	Prof. Kalhe S.S.
39	02	37	90	07	83	75	Prof. Kalhe S.S.
37	01	36	10	08	2	75	Prof. Kalhe S.S.
38	00	38	10	09	1	75	Prof. Kalhe S.S.
38	00	38	40	10	30	76	Prof. Kalhe S.S.
39	01	38	40	07	33	76	Prof. Kalhe S.S.
31	00	31	30	07	23	61	Prof. Gadhave N.S.
31	01	30	20	06	14	61	Prof. Gadhave N.S.
38	00	38	50	04	46	76	Prof. Kalhe S.S.
39	00	38	70	01	69	76	Prof. Kalhe S.S.
37	01	37	50	16	34	75	Prof. Kalhe S.S.
38	00	38	50	17	33	75	Prof. Kalhe S.S.
38	00	38	20	05	15	75	Prof. Kalhe S.S.
38	01	37	30	08	22	75	Prof. Kalhe S.S.
31	00	31	10	03	07	61	Prof. Gadhave N.S.
31	00	31	10	03	07	61	Prof. Gadhave N.S.
38	00	38	50	13	37	76	Prof. Kalhe S.S.
39	01	38	50	02	48	76	Prof. Kalhe S.S.
37	01	36	30	02	28	74	Prof. Kalhe S.S.
38	00	38	30	03	27	76	Prof. Kalhe S.S.
38	00	38	50	18	32	76	Prof. Kalhe S.S.
39	01	38	50	03	47	76	Prof. Kalhe S.S.



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THORY SESSIONAL ATTENDANCE SHEET

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EXAM/DU/46	Department: Examination Department	Academic Year: 2023-24
Rev : 00		Class & Sem: S-Y. 2 IV
Date: 8/3/24	Theory Sessional Attendance Sheet (B.Pharm.)	Hall No. : 3

II / HI Sessional Examination 2023 - 24
Subject: Physical Pharmaceutics - II

Roll No.	Name of Student	Sign	Roll No.	Name of Student	Sign
1	Yogesh Ambekar	<i>[Signature]</i>	21	Jadhav Sangeet	<i>[Signature]</i>
2	Karan Auti	<i>[Signature]</i>	22	Jadhav Vaishnavi S	<i>[Signature]</i>
3	Shruti S. Auti	<i>[Signature]</i>	23	Joshi (Dhanashri) S.	<i>[Signature]</i>
4	Pranav S Bhagat	<i>[Signature]</i>	24	Jonghane Sayli D	<i>[Signature]</i>
5	Pranjita Kailas Bhandalkar	<i>[Signature]</i>	25	Kaleshweeta	<i>[Signature]</i>
6	Bhor Madhura. N.	<i>[Signature]</i>	26	Kale Siddhant	<i>[Signature]</i>
7	Bhor Akanksha Ulkar	<i>[Signature]</i>	27	Kalpatil Sanjana	<i>[Signature]</i>
8	Borade Ishwari	<i>[Signature]</i>	28	Kapase Nandini N.	<i>[Signature]</i>
9	Borhade Siddhi Shivaji	<i>[Signature]</i>	29	Ichave O.K	<i>[Signature]</i>
10	Bhakti Chate	<i>[Signature]</i>	30	Khandagale Rajanank	<i>[Signature]</i>
11	Chavre Vaishnavi	<i>[Signature]</i>	31	Khadge Sakshi	<i>[Signature]</i>
12	Dabkhos Samadhan	<i>[Signature]</i>	32	Khokule Aditya	<i>[Signature]</i>
13	Dolais Sarika Suryay	<i>[Signature]</i>	33	Kumbhar Anushka	<i>[Signature]</i>
14	Gaikwad Pradya Sahish	<i>[Signature]</i>	34	Kurhade Anantika	<i>[Signature]</i>
15	Gawari Nikita Devum	<i>[Signature]</i>	35	Lohakore Om S	<i>[Signature]</i>
16	Ghule Pratirsha Ganesh	<i>[Signature]</i>	36	Lokhande Jyoti	<i>[Signature]</i>
17	Gosale Sarika Harishchandra	<i>[Signature]</i>	37	Markad Aditha S	<i>[Signature]</i>
18	Hande Sahil. B.	<i>[Signature]</i>	38	Mawal Krunmali R	<i>[Signature]</i>
19	Holkar Gayatri. P.	<i>[Signature]</i>			
20	Thamdar Anam Firoj	<i>[Signature]</i>			

No. of Students Present: 38	 Dr. Kadam S.S. Name & Sign of Supervisor
No. of Students Absent: 04	
Total No. of Students: 38	



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EXAM/DI/46	Department: Examination Department	Academic Year: 2023-24
Rev : 00		Class & Sem: S.Y.B.Pharm, Sem IV
Date: 08/05/2024	Theory Sessional Attendance Sheet (B.Pharm.)	Hall No. : 04

17 II / II Sessional Examination 2023 - 24

Subject: Physical Pharmaceutics-II

Roll No.	Name of Student	Sign	Roll No.	Name of Student	Sign
39.	Meenal Sayali	s.p.meenal	59.	Manaswari Senawane	Manaswari
40.	sanket midge	sanket	60.	Tambara Ajay	Ajay
41.	S.D. Nalavade	Nalavade	61.	Nisha Thorat	Nisha
42.	Narhe Trupti S.	Narhe	62.	Udayan Thorat	Udayan
43.	Narale Siddhi	Narale	63.	Atharva Thosar	Atharva
44.	Komal Navtore	Komal	64.	Vaibhavi Wadgaonkar	Vaibhavi
45.	Mrunal Padekar	Mrunal	65.	Shruti Klagh	Shruti
46.	Abhiraj Pandit	Abhiraj	66.	Aniket B. Malve	Aniket
47.	Shruti Parth	Shruti	67.	Vivek Yadav	Vivek
48.	Patel Shoaib	Patel	68.	Prasad S. Zodge	Prasad
49.	Robini H. Pawar	Robini	69.	Sukshi Ghongale	Sukshi
50.	Pawar Divya	Pawar	70.	Ghule Divya	Divya
51.	Phadale Shruti	Phadale	71.	Ganesh Ketkar	Ganesh
52.	Phapale Kshitija	Phapale	72.	Jadhav Aishwarya A.	Aishwarya
53.	Saswade Tanvi Harish	Saswade	73.	Jadhav Siddhesh	Siddhesh
54.	Sayed Saniva Abdul Salak	Sayed	74.	Khandavale Ankita J.	Ankita
55.	Shaikh Muskan Salim	Shaikh	75.	Shinde Raju Jayram	Raju
56.	Shinde Shruti	Shinde	76.	Shinde Titov	Titov
57.	Shinde Tanuja	Shinde	77.	Ab	
58.	Shingade Mayur	Shingade			

No. of Students Present: 38	Kutub 08/05/2024 (M. Kusur A.O.) Name & Sign of Supervisor
No. of Students Absent: 01	
Total No. of Students: 39	



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THEORY SESSIONAL MARK SHEET

7/3/24, 10:00 AM

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EDUCATION AND RESEARCH
ALE, TAL - JUNNAR, DIST - PUNE 412411.
Mob:9892376014 E-Mail: vjasm.principal@gmail.com
Subject : Physical Pharmaceutics -II (Theory)
Academic Year : 2023-24
Name of course & year : - B Y B. PHARM SEM IV
Faculty : ANKITA RAJENDRAKUMAR JORVEKAR

Roll No.	Name of Candidate	First Sessional The...
		Out of 30
		2024-03-20
1	Yogesh Ambekar	16.00
2	Karan Auti	13.00
3	Shruti Auti	23.00
4	Pranav Bhagat	12.00
5	Prajakta Bhandalkar	26.00
6	Madhura Bhor	23.00
7	Akanksha Bhor	25.00
8	Ishwari Borate	21.00
9	Siddhi Borhade	20.00
10	Bhakti Chate	15.00
11	Valshnavi Chaurse	20.00
12	Samadhan Dawkhari	19.00
13	Sanika Dolas	16.00
14	Pradnya Gaikwad	19.00
15	Nikita Gawari	25.00
16	Pratiksha Ghule	23.00
17	Sanika Gorade	19.00
18	Sahil Hande	15.00
19	Gayatri Holkar	19.00
20	Anam Inamdar	23.00
21	Sanket Jadhav	16.00
22	Valshnavi Jadhav	25.00
23	Dhanashri Jori	22.00
24	Sayli Junghare	20.00
25	Shweta Kale	17.00
26	Sarthak Kale	8.00
27	Sanjana Kalpatil	17.00
28	Nandini Kapase	25.00
29	Om Khaire	15.00
30	Gajanan Khandagale	13.00
31	Sakshi Khandge	18.00
32	Aditya Khokale	4.00
33	Anushka Kumbhar	16.00
34	Avantika Kurhade	16.00
35	Om Lohakare	9.00
36	Jyoti Lokhande	26.00
37	Aditya Markad	13.00
38	Krushnali Mawal	15.00
39	Sayali Mergal	20.00
40	Sanket Midage	13.00
41	Shravan Nalawade	19.00
42	Trupti Narhe	20.00
43	Siddhi Navale	21.00
44	Komal Navture	14.00
45	Mrunal Padekar	21.00
46	Abhiraj Pandit	4.00
47	Shruti Parkhe	18.00
48	Shoaib Patel	7.00
49	Rohini Pawar	17.00
50	Divya Pawar	23.00
51	Shruti Phadale	25.00
52	Kshitija Phapale	21.00
53	Tanvi Saswade	8.00
54	Saniya Sayyed	29.00
55	Muskan Shaikh	15.00
56	Shruti Shinde	16.00

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7/3/24, 10:00 AM

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Academic Year : 2023-24
Name of course & year : - S Y B. PHARM SEM IV
Faculty : ANKITA RAJENDRAKUMAR JORVEKAR

Roll No.	Name of Candidate	First Sessional The...
		Out of 30
		2024-03-20
57	Tanuja Shinde	19.00
58	Mayur Shingade	9.00
59	Manaswee Sonawane	29.00
60	Ajay Tambade	19.00
61	Nisha Thorat	24.00
62	Udayan Thorat	11.00
63	Atharva Thosar	11.00
64	Vaibhavi Wadgaonkar	14.00
65	Shruti Wagh	24.00
66	Aniket Walve	19.00
67	Vivek Yadav	18.00
68	Prasad Zodge	22.00
69	Sakshi Ghangale	22.00
70	Divya Ghule	18.00
71	Ketki Gomase	24.00
72	Aishwarya Jadhav	22.00
73	Siddhesh Jadhav	23.00
74	Ankita Khandagale	24.00
75	Maya Shinde	21.00
76	Tejal Titar	26.00
77	Akash Waykar	Absent

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[Signature]
Signature of staff
Signature of HOD / Principal



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MODEL THEORY SESSIONAL ANSWER BOOK

 VISHAL JUNNAR SEVA MANDAL'S VISHAL INSTITUTE OF PHARMACEUTICAL EDUCATION & RESEARCH A/P. Ale, Tal. Junnar, Dist. Pune-412411 B. PHARMACY / M. PHARMACY I / II / III Theory Sessional Examination 2023 - 2024					
Subject : <u>Pharmaceutics-I</u>		Class : <u>F.Y.B.Pharm</u>		Roll No. : <u>01</u>	
Date : <u>02/11/2023</u>		Sem. : <u>Ist</u>		Hall No. : <u>1</u>	
Sub Que.	Que.1	Que.2	Que.3	Que.4	Que.5
.1	<u>02</u>	<u>08</u>	<u>05</u>		
.2	<u>02</u>	<u>1</u>	<u>1</u>		
.3	<u>02</u>		<u>04</u>		
.4	<u>1</u>				
.5	<u>02</u>				
.6	<u>02</u>				
.7					
.8					
.9					
.10					
Total	<u>10</u>	<u>08</u>	<u>09</u>		
Grand Total	<u>27</u> <u>30</u>				
Name & Sign of Examiner	<u>NS. Gadhare</u> Sign of Supervisor - <u>NS. Gadhare</u>				
Main Answer sheet	<u>1</u>	<u>+</u>	Supplement - <u>0</u>	Total - <u>01</u>	
Marks Verified :- <u>Name:- Priyanka Sampat Aher</u> by <u>Sign:- Bahur</u>					



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Sr
No
1.

1.2 a) Drug - Drug is defined as agent intended for treatment, diagnosis, mitigation, cure or prevention of diseases of man and animals.

b) Dosage form:-

Drug is converted into suitable formulation called Dosage form. It may contain active or inactive pharmaceutical ingredient.

1.3 Advantages Solid dosage form:-

① Generally no need to add any preservatives except unsuitable drug.

② It is easy to transport, ship, handle and require less shelf space.

③ We can ^{take} accurate dosage form.

③ Patients can easily administered the solid dosage form.

④ Accurate dosage can ^{already} be taken as it is a measured unit.



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Disadvantage :-

- ① Formulation of ^{solid} dosage form is very difficult and requires expensive machines.
- ② In case of child or old age patients it is difficult for swallowing the medicine.

③

1-6 Molarity :- It is defined as No. of moles of solute in 1 litre of solution.

$$M = \frac{\text{No. of moles of solute}}{\text{Volume of solution (L)}}$$

Mole fraction :-

$$X_A = \frac{\text{Moles of A}}{\text{Moles of A} + \text{Mole of B} + \text{Mole of C} \dots}$$

Mole fraction is defined as No. of moles of one substance to the total number of moles of substance. Mole fraction is denoted by 'X'.



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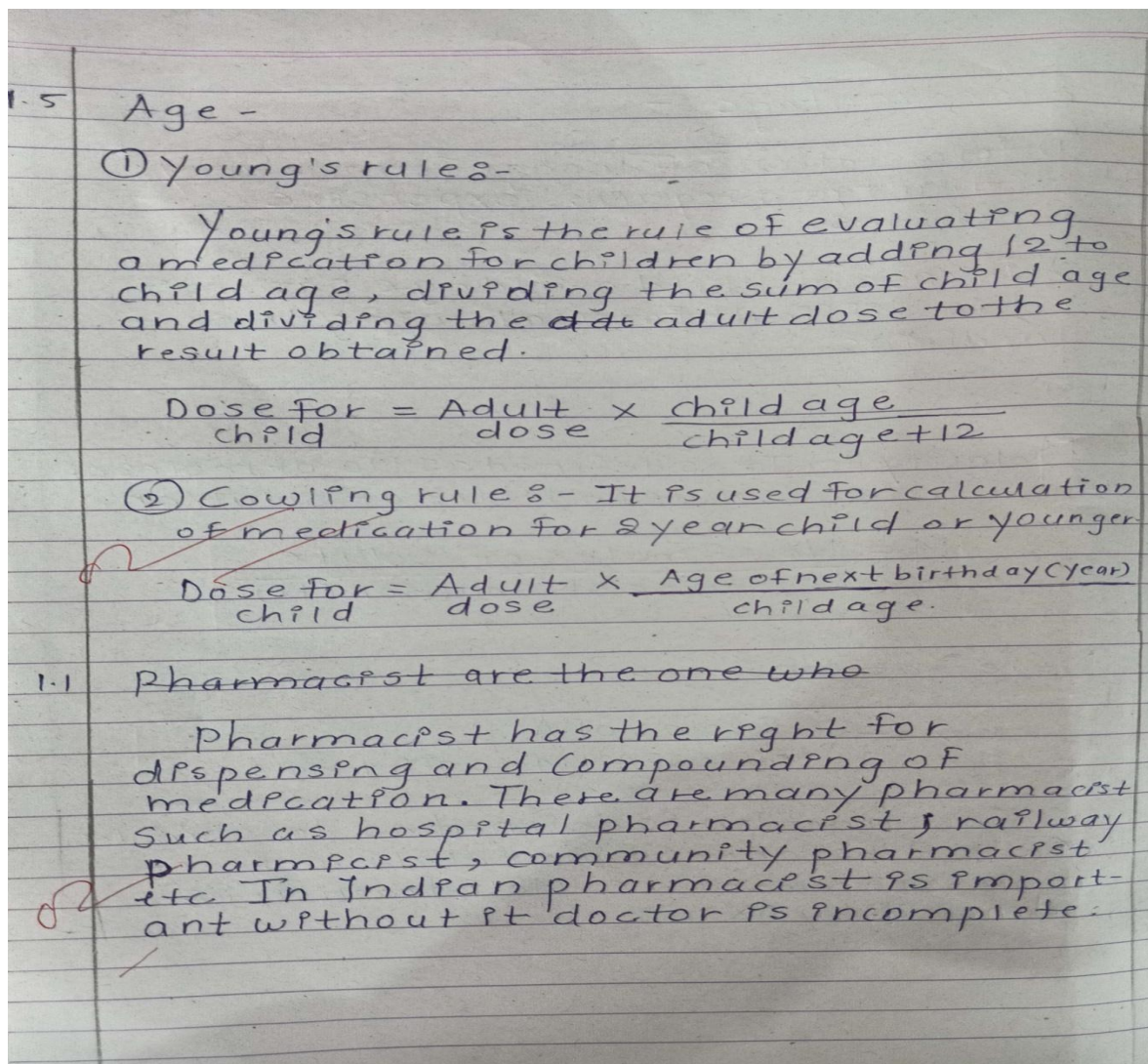


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2.

2.1 Prescription :-

Prescription is defined as it is written order from doctor to chemist or pharmacist that includes instruction for Compounding and dispensing of medication.

Parts of Prescription :-

- ① Prescriber's Details
- ② Details of Patients
- ③ Superscription
- ④ Inscription
- ⑤ Subscription
- ⑥ Transcription / Signatura
- ⑦ Renewal
- ⑧ Signature

① Prescriber's Details -

- It includes information about name, surname of doctor, designation, Doctor's name, phone number, Address, Hospital name, email id etc.
- Physician information should be written as it is essential in case of emergency.
- It should refill number or insurance number. Date must be written by prescriber on prescription to find out




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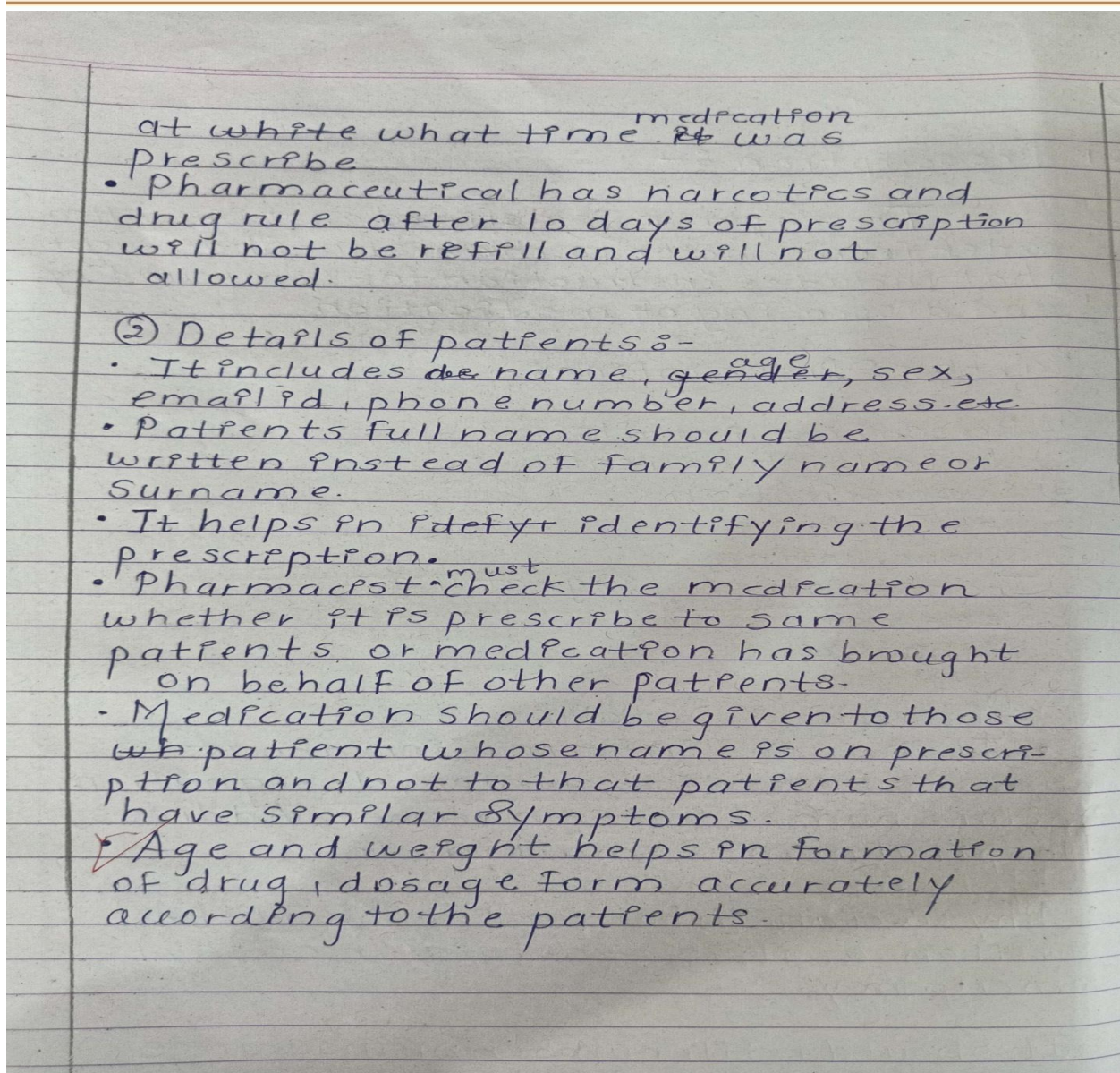


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③ Superscriptions - Superscription gives & shows the direction to chemist or pharmacist how to compound the medication.

- It is always represented in R_x which means 'take this' or 'you take'. It is written at the beginning of prescription. In the day of mythology it was prayer of Jupiter, Healing to God to get the disease cure as early as possible.

- It includes mixing of the various medicines, dosage, drugs etc.

④ Inscription :-

- Inscription is the part of prescription as it is doctor's order.

- It includes various dosage form, drugs and medicinal form.

- The name of each drug should be written on separate lines.

- It is in complex situation it help to achieve the better therapeutic effects.



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⑤ Superscription :-

- Superscription is the part of prescription. It provides the instruction to the pharmacists regarding how to compound and dispense the medication.

⑥ Transcription :-

- Transcription is a part of prescription that provides instruction to the patients that how to, how much, how many, when where and at what time medication is to be taken.
- If you are taking medication externally shake it before use or if any side effects are observed inform it directly to the doctors.
- It also tells us that how many times in a day a medicine to be administered by the patients.
- Doctors must use in English language instead of Latin abbreviation such as
 - ① 1 tab t.i.d - it means take 1 tablets three times day.
 - ② 1 cap t.i.d - it means take 1 capsule three times day.



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⑦ Renewal :-

- Renewal means doctors must mention how many times the given ~~num~~ prescription is to be repeated. It should write the refill number.

⑧ Signature :-

- It is necessary that doctors must sign the prescription to confirm the legal validity of prescription i.e. it is given by doctors.

- It should includes :-

① Qty

② Mfg

③ Refill

④ To take medication before or after the meal.

⑤ If any side effects observe inform immediately to the doctor.



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8. 3-1

a)

Availability

Desired quantity

95% minus

65% minus

80%

No. of parts

15 parts

15 parts

∴ 15 parts of 95% alcohol and 15 parts of 65% alcohol strength be mixed to make 80% alcohol.

b) $10.4 \times 3000 \text{ ml} = 1200$ 40% alcohol in 3000 ml

2) $0.6 \times 1000 \text{ ml} = 600$ 60% alcohol in 1000 ml

3) $0.7 \times 1000 \text{ ml} = 700$ 70% alcohol in 1000 ml

3000 + 1000 + 1000 = 5000 ml
1200 ∴ (total alcohol in solution)

1200 + 600 + 700 = 2500
(total alcohol solution)

$= \frac{5000}{2500} = 0.5 \times 100 = 50\%$



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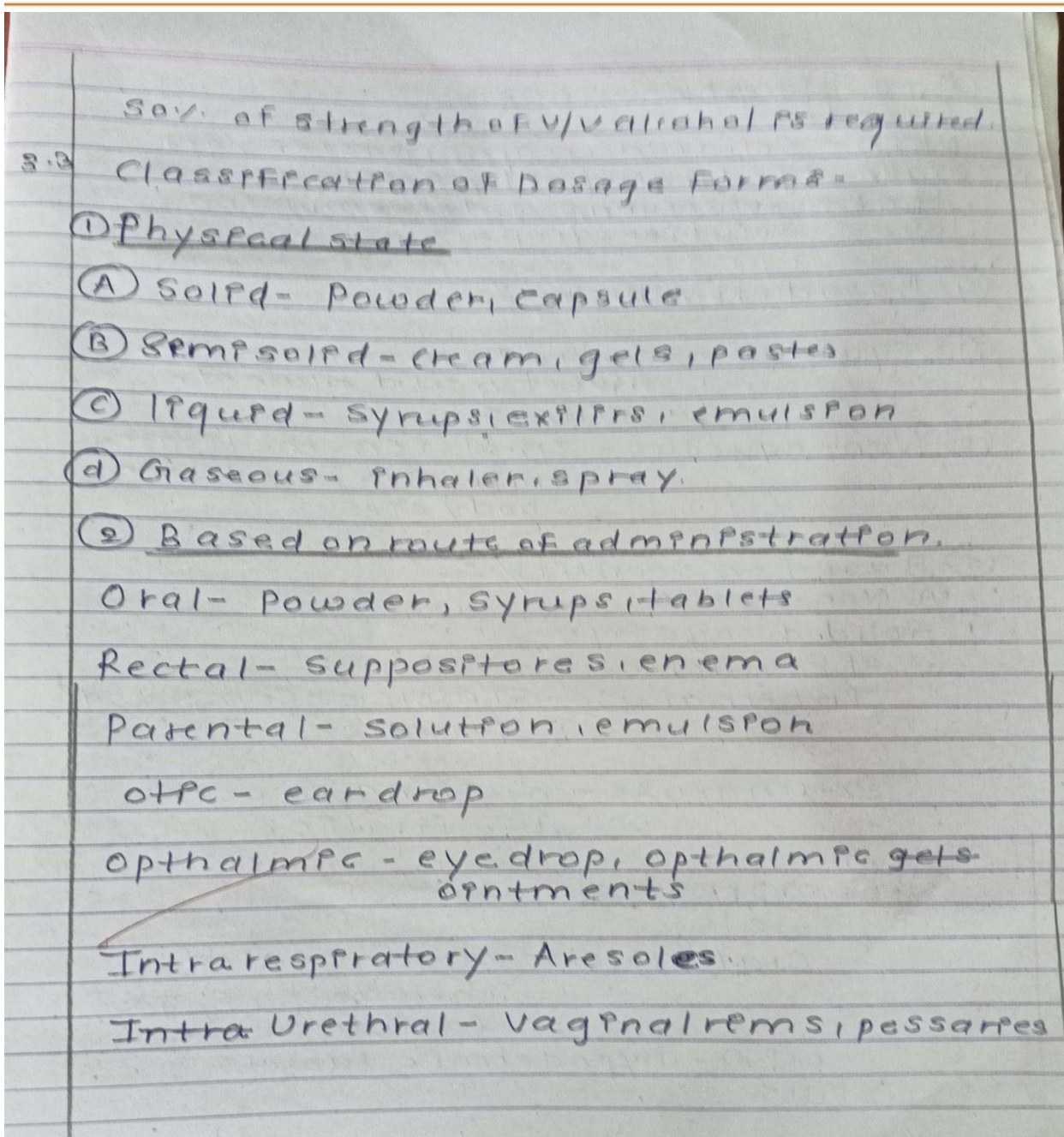


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③ Site of application:-

Based on

Skin - Solution, creams, pastes, gel
hair - Medicated oil, gels
Foot - Solution, powder, emulsion
eye - Solution, drops.

④ Based on Vehicles :-

① Aqueous - water, aromatic water,
sweet viscous alcohol,
elixirs.

② Non-aqueous - emulsion, medicated
hair oils, medicated
body oils.

⑤ Based on sterility :-

① Non-sterile

① Solid dosage form

a) Powders

Internal use - simple or compound
powder.

External use - dusting powders,
insufflation

② Non-

① Compressed

① tablets -

Oral tablets - enteric coated,

chewable, sugar
coated tablets.

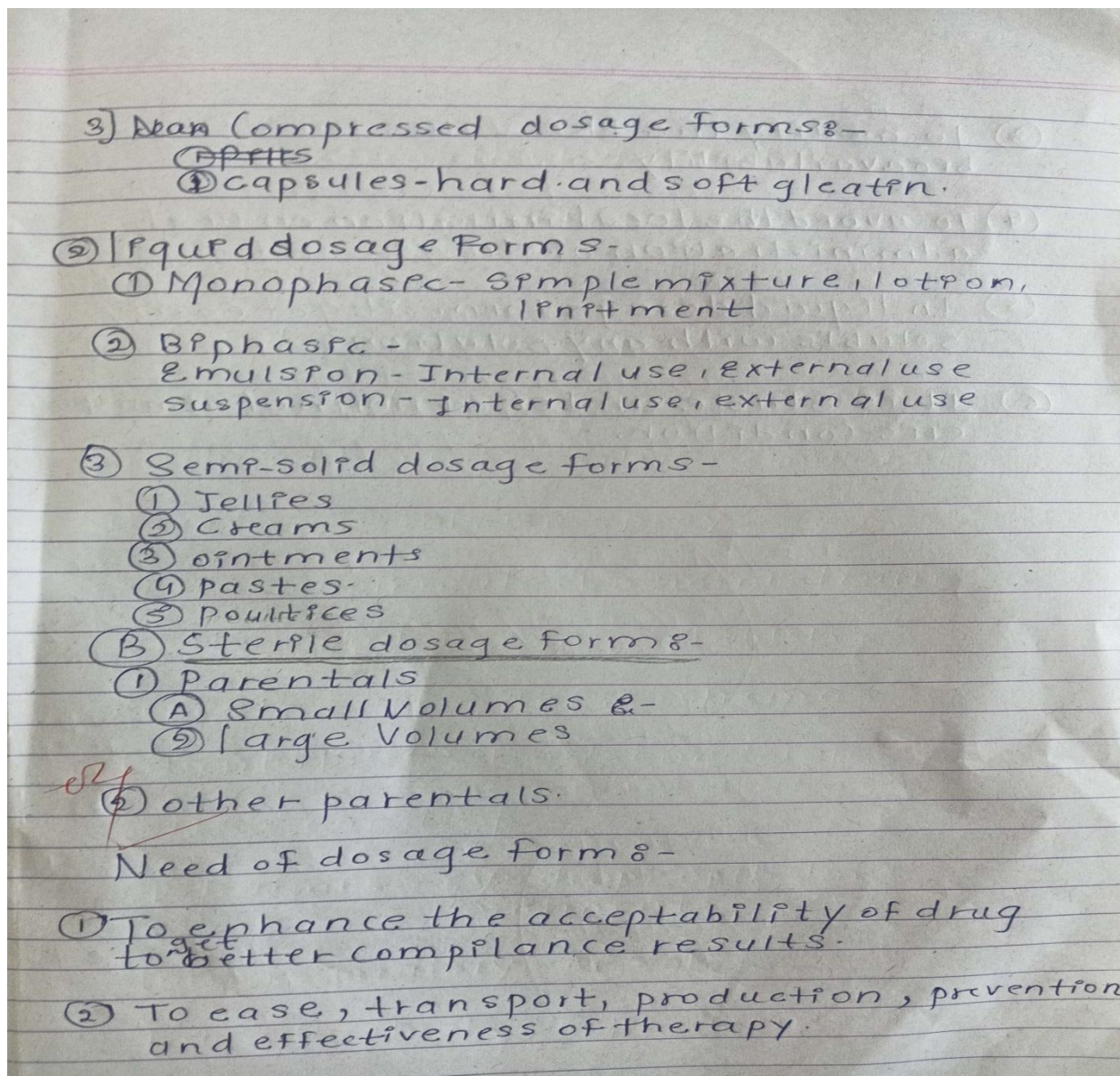
other - hypodermic tablets.

② Pills.




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- ③ To modify the pK_a value for drug bioavailability.
- ④ To avoid the local irritation on oral administration of drugs.
- ⑤ In liquid dosage form, it gets easily soluble with any solutions.
- ⑥ It is stable under normal atmospheric condition.




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MODEL PRACTICAL QUESTION PAPER: BATCH A


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Mob:9892376014 E-Mail: vjasm.principal@gmail.com
B. Pharmacy [2023-24]

Second Sessional Practical Examination

Subject : [BP306P] PHYSICAL PHARMACEUTICS - I - Practical Faculty : Ankita Rajendrakumar Jorvekar
Batch : Batch A
Year : Second Year - S. Y. B. PHARM SEM III Marks : 40 Date : 18 December, 2023 Duration : 240
Minutes

Figures to the right indicate full marks.
Assume suitable data if necessary, stating it clearly.

Sr.No.	Question	Marks	Course Outcome	Blooms Level
1	Synopsis.			
1.1	What is the Solubility and explain the Raoult's law with expression?	4.00	CBP306.1	Evaluate, Understand, Remember
1.2	Define the terms: a) Solute b) Molarity c) Unsaturated Solution d) Surface Tension	4.00	CBP306.1	Create, Evaluate, Remember
	Write the process to prepare 0.1N NaOH	2.00	CBP306.1	Analyze, Apply
2	Major Experiment.			
2.1	Determination of Freundlich and Langmuir constant using activated charcoal.	15.00	CBP306.2	Analyze, Apply, Understand, Remember
3	Minor Experiment.			
3.1	Determination of % composition of NaCl in phenol water system by CST method.	10.00	CBP306.2	Analyze, Apply, Understand
4	Viva-Voce.			
4.1	Viva-Voce.	5.00	CBP306.3	Understand, Remember




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MODEL PRACTICAL QUESTION PAPER: BATCH B

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Mob:9892376014 E-Mail: vjasm.principal@gmail.com**

B. Pharmacy [2023-24]
Second Sessional Practical Examination

Subject : [BP306P] PHYSICAL PHARMACEUTICS - I - Practical **Faculty :** Ankita Rajendrakumar Jorvekar
Batch : Batch B
Year : Second Year - S. Y. B. PHARM SEM III **Marks :** 40 **Date :** 19 December, 2023 **Duration :** 240 Minutes

Figures to the right indicate full marks.
Assume suitable data if necessary, stating it clearly.

Sr.No.	Question	Marks	Course Outcome	Blooms Level
1	Synopsis.			
1.1	Describe the Distribution law with its application.	4.00	CBP306.1	Apply, Understand
1.2	Define the Terms. a) Saturated Solution Tension c) Surface free energy fraction b) Surface d) Mole	4.00	CBP306.1	Create, Evaluate, Remember
1.3	Write the procedure to prepare 0.1 N NaOH solution.	2.00	CBP306.1	Create, Understand, Remember
2	Major Experiment.			
2.1	Determination of Freundlich and Langmuir Constant by using activated Charcoal.	15.00	CBP306.2	Evaluate, Analyze, Apply
3	Minor Experiment.			
3.1	Determination of % composition of NaCl in phenol water system by using CST method.	10.00	CBP306.2	Evaluate, Analyze, Apply
4	Viva-Voce.			
4.1	Viva-Voce	5.00	CBP306.3	Understand, Remember



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MODEL PRACTICAL QUESTION PAPER: BATCH C

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B. Pharmacy [2023-24]

Second Sessional Practical Examination

Subject : [BP306P] PHYSICAL PHARMACEUTICS - I - Practical Faculty : Ankita Rajendrakumar Jorvekar

Batch : Batch C

Year : Second Year - S. Y. B. PHARM SEM III Marks : 40 Date : 13 December, 2023 Duration : 240

Minutes

Figures to the right indicate full marks.

Assume suitable data if necessary, stating it clearly.

Sr.No.	Question	Marks	Course Outcome	Blooms Level
1	Synopsis.			
1.1	What is surface tension and surface free energy? Explain the adsorption isotherm at liquid interfaces.	4.00	CBP306.1	Evaluate, Understand, Remember
1.2	Define the terms: a) Solvation b) Solvent c) Mole fraction d) Normality	4.00	CBP306.1	Create, Apply, Remember
1.3	Write the procedure to prepare 0.01 N HCl solution.	2.00	CBP306.1	Create, Apply, Understand
2	Major Experiment.			
2.1	Determination of Freundlich and Langmuir constant using activated Charcoal.	15.00	CBP306.2	Evaluate, Analyze, Apply, Understand
3	Minor Experiment.			
3.1	Determination of % composition of NaCl in phenol water system by CST method.	10.00	CBP306.2	Evaluate, Analyze, Apply, Understand
4	Viva-Voce.			
4.1	Viva- Voce.	5.00	CBP306.3	Understand, Remember




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MODEL PRACTICAL SESSIONAL ATTAINANCE SHEET

Vishal Junnar Seva Mandal's
Vishal Institute Of Pharmaceutical Education And Research
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EXAM/DI/37	Rev: 00	Department: Examination	2019 Pattern
Academic Year: 2023-24	Date: 18/12/2023	Sessional Attendance Sheet (B.Pharm.)	Class & Sem : S.Y.B. Pharm III

Subject: physical Pharmaceutics-I Batch: A

Roll No.	Name of Student	Sign	Roll No.	Name of Student	Sign
1	Yogesh Ambekar	<i>[Signature]</i>	14	Gaikwad Pradhyai	<i>[Signature]</i>
2	Aarti Karan	<i>[Signature]</i>	15	Gawari Nikita	<i>[Signature]</i>
3	Aarti Shruti Santosh	<i>[Signature]</i>	16	Ghute Pratiksha	<i>[Signature]</i>
4	Chagat Pranav Sunil	<i>[Signature]</i>	17	Goreale Sanika	<i>[Signature]</i>
5	Bhandalkar Prajakt Kailas	<i>[Signature]</i>	18	Hande Sahil	<i>[Signature]</i>
6	Bhor Madhura Nalinath	<i>[Signature]</i>	19	Holkar Gayatri	<i>[Signature]</i>
7	Bhor Atanksha Vikas	<i>[Signature]</i>	20	Shamdar Aram	<i>[Signature]</i>
8	Borate Ishwari	<i>[Signature]</i>	21	Jadhav Sankey	<i>[Signature]</i>
9	Borhade Siddhishivaji	<i>[Signature]</i>	22	Jadhav Vaishnavi S.	<i>[Signature]</i>
10	Bhakti Chate	<i>[Signature]</i>	23	Joel Dhunashree Sunil	<i>[Signature]</i>
11	Chavre Vaishnavi	<i>[Signature]</i>	24	Jonghore Sayli S	<i>[Signature]</i>
12	Dawkhaz Samadhan	<i>[Signature]</i>	25	Kate Shweta S.	<i>[Signature]</i>
13	Dolas Sanika Sanika	<i>[Signature]</i>	26	Kate Sarmak	<i>[Signature]</i>

No. of Students Present: 26	<i>[Signature]</i> Ms. Jorvekar A.P. 18/12/23 Name & Sign of Examiner
No. of Students Absent: 00	
Total No. of Students: 26	



[Signature]
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EXAM/DI/37		Rev: 00	Department: Examination		2019 Pattern	
Academic Year: 2023-24		Date: 15/12/2023	Sessional Attendance Sheet (B.Pharm.)		Class & Sem : S.Y. B. Pharm III	
Subject: Physical Pharmaceutics			Batch: B			
Roll No.	Name of Student	Sign	Roll No.	Name of Student	Sign	
28	rapase Nandini v.	<i>[Signature]</i>	40	sanket midge	<i>[Signature]</i>	
287	Kalpatil Sanjana	<i>[Signature]</i>	41	S.D. Walawade	<i>[Signature]</i>	
29	Khaine Om k	<i>[Signature]</i>	42	Trupti Narhe	<i>[Signature]</i>	
30	khandogale Gajanan K	<i>[Signature]</i>	43	Navale Siddhi	<i>[Signature]</i>	
31	Khandge Sakshi	<i>[Signature]</i>	44	Komal Navtute	<i>[Signature]</i>	
32	Absent		45	Mrunal Padekar	<i>[Signature]</i>	
33	Kumbhar Anushka	<i>[Signature]</i>	46	Adhiraj P. Pandit	<i>[Signature]</i>	
34	Kurnade Avantika	<i>[Signature]</i>	47	Shruti Parkhe	<i>[Signature]</i>	
35	Lohakare Om. S	<i>[Signature]</i>	48	Poel shoaib	<i>[Signature]</i>	
36	Lokhande Tyoti	<i>[Signature]</i>	49	Rohini H Pawar	<i>[Signature]</i>	
37	markad Aditya D.	<i>[Signature]</i>	50	Pawar divya sunil	<i>[Signature]</i>	
38	Mural Krutnali R	<i>[Signature]</i>	51	Phadale Shrutika Krishna	<i>[Signature]</i>	
39	Mangal Sayali	<i>[Signature]</i>	52	Phapale Kshitija Romal	<i>[Signature]</i>	
No. of Students Present:			<i>[Signature]</i> Ms. Jyoti A.R. 19/12/23 Name & Sign of Examiner			
No. of Students Absent:						
Total No. of Students:						



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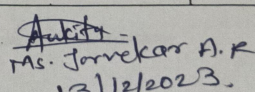


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EXAM/DI/37	Rev: 00	Department: Examination	2019 Pattern		
Academic Year: 2023-24	Date: 13/12/2023	Sessional Attendance Sheet (B.Pharm.)	Class & Sem : 3. Y. B. Pharm III		
Subject: Physical Pharmaceutics-I		Batch: C			
Roll No.	Name of Student	Sign	Roll No.	Name of Student	Sign
53	Saswade Tonvi Harish		66	Aniket Malve	
54	Sayyed Saniya Abdul Lateef		67	Vivek Padav	
55	Shalkh Muskan Salim		68	Zodga Prasad	
56	Shinde Shweta		69	Ghangale Sakshi	
57	Shinde Tanuja		70	Ghule Divya	
58	Mogur Shingade		71	Gomase Ketki	
59	Manaswee. Sonawane		72	Jadhav Aishwarya	
60	Tambade Ajay		73	Jadhav Siddhesh.	
61	Nisha Thorat		74	Khandayale Ankita	
62	Thorat Udayan		75	Shinde Maya Jayram	
63	Atharva Thorat		76	Titur Tejal D	
64	Vaibhavi Wadgaonkar		77	Waykar Akash	
65	Shruti Wagh				
No. of Students Present: 25			 Ms. Jornekar A. R. 13/12/2023.		
No. of Students Absent: 00					
Total No. of Students: 25					
Name & Sign of Examiner					




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Tutorial No. _____					
Subject :	pharmaceutical Inorganic chemistry		Roll No. :	34	
Name :			Marks :		
Class :	F.Y.B. Pharm Sem. :				
Date :	13 / 12 / 2023		Name & Signature of Subject Incharge		
Start writing from this page					
	synopsis	Major	Minor	viva	Total
Marks obtained	3 1/2	11	7	2 1/2	24
Marks out-of	10	15	10	5	40

Q.1 How will you prepare 1M Potassium sulphate & Aluminium sulphate. (2M)

Q.2 Write the procedure for synthesis of Potash Alum (3M)

Q.3 Write any one test for bicarbonate salt

Q.4 Write any one test for identification of magnesium salt

Q.5 Write the formula for ferrous sulphate & molecular weight of magnesium hydroxide, sodium bicarbonate

Q.3
→ Treat the solution of the substance being examined with a solution of magnesium sulphate, no precipitate is formed (distinction from carbonates). Boil the white precipitate is formed.

Q.4
→ to 0.5 ml neutral salt or slightly acid solution of the substance being examined solution of titrant yellow & 0.5 ml of 0.1 M sodium.



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Q.2

- ① Prepare 200 ml of each solution of Aluminium sulphate & potassium sulphate.
- ② Weigh accurately 34.2g of Aluminium sulphate & 17.4g of potassium sulphate.
- ③ Take 30 ml each of them
- ④ Mix that solution to one other in porcelain dish.
- ⑤ After mixing, keep that solution aside for 5 min.
- ⑥ After some time crystals appear in porcelain dish.
- ⑦ Filter out that with Filter paper & Funnel.
- ⑧ Weigh them.

Q.1

→ $\text{Al}_2(\text{SO}_4)_3 = 342$

$\text{K}_2\text{SO}_4 = 174$

- 34.2g of Aluminium sulphate in 100 ml of water, it will give 1M solution.

2. - 17.4g of potassium sulphate in 100 ml of water it will give 1M solution




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Q.5

Magnesium hydroxide - $Mg(OH)_2$

Ferrous sulphate - $FeSO_4$

Sodium bicarbonate - Na_2HCO_3

Q.4

→ Dissolve about 15mg of the substance being examined in 2ml of water or use 2ml of prescribed solⁿ, Add 1ml of dil. Ammonia solution a white precipitated is form. i.e redissolved in by adding 1ml 2M disodium hydrogen phosphate, a white crystalline precipitated is formed.




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Tutorial No. _____

Subject : Pharmaceutical inorganic chemistry Roll No. : 34

Name : _____ Marks : _____

Class : F.Y.B. Pharm Sem.:

Date : 13/12/2023

Name & Signature of Subject Incharge _____

Start writing from this page

Major Experiment -
Q.2^{Aim} TO perform identification test on given sample sodium bicarbonate

→ Requirements - chemicals - potassium carbonate, potassium antimonate, Acetic acid, Uranyl acetate solution, magnesium sulphate, Barium hydroxide, dil. HCl Glassware - Test tube, test tube holder, spatula etc.

Procedure -

Test	Observation	Inference
<u>Sodium salt</u>		
A. Dissolve 0.1g of the substance being examined in 2 ml of water or use 2 ml of prescribe solution. Add 2 ml of 15% w/v solution of potassium carbonate & heat to boiling, no precipitated is produced. Add 4 ml of freshly prepared potassium antimonate solution & heat to boiling. Allow to cool in ice & if necessary scratch the inside of the test tube with a glass rod, a dense white precipitated is formed.	A dense white precipitated is produced.	The given sample complies the identification test.
B. Acidify a solution a substance being examined with 1M acetic acid & add large excess of magnesium uranyl acetate solution, A yellow, crystalline precipitated is Form.	A yellow precipitated is formed/ produced.	The given sample complies the identification Test
<u>Bicarbonate salt.</u>		



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Test	Observation	Inference
A. solution, when boiled, liberated carbon dioxide.	After boiling, CO_2 is liberated	The given sample complies the identification test
B. Treat the solution of the substance being examined with a solution of magnesium sulphate, no precipitate is formed (distinction from carbonates). Boil the white precipitate is formed.	After boiling, A white precipitate is formed.	The given sample complies the identification test.
C. Introduce into a test tube 0.1 g of substance being examined suspended in 2 ml of water or in 2 ml of 2 M acetic acid, close the tube immediately using a glass tube bent at 2 right angles, heat gently & collect the gas in barium hydroxide solution, a white precipitate form that dissolve on addition of an excess of dil. HCl acid.	A white precipitate form that dissolve on addition of excess of dil. HCl acid.	The given sample complies the identification test.

Result -

The given sample of ^{sodium bicarbonate} magnesium hydroxide complies the identification test as per I.P 1996.




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Minor Experiment -

Q.3 Aim : To perform identification test on given sample magnesium hydroxide

→ Requirement -

chemicals - Ammonia solution, Ammonium chloride, disodium hydrogen phosphate, titan yellow, sodium hydroxide.

Glassware -

Test tube, test tube holder etc.

Procedure -

Test	observation	Inference
Magnesium salt		
A. Dissolve about 15 mg of the substance being examined in 2 ml of water or use 2 ml of prescribed solution, Add 1 ml of dilute ammonia solution a white precipitated forms i.e redissolved by adding 1 ml of 2 M disodium hydrogen phosphate a white, crystalline precipitated is produced	A white, crystalline precipitated is produced.	The given sample complies the identification test.
B. To 0.5 ml of neutral or slightly acid solution or the substance been examined add 0.2 ml of a 0.1% w/v solution of titan yellow & 0.5 ml of 0.1 M sodium	A bright red turbidity develops which gradually settles to give a bright red precipitated.	The given sample complies the identification test.



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Test	observation	Inference
hydroxide. a bright red turbidity develops which gradually settles to give a bright red precipitated.		
<u>Result-</u> The given sample of magnesium hydroxide complies the identification test as per I.P 1996.		



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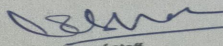
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MODEL PRACTICAL SESSIONAL MARK SHEET

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Subject : HAP-II (Practical)[BATCH A]		
Academic Year : 2023-24		
Name of course & year : - F Y B PHARM SEM II		
Faculty : Umesh Rajaram Kumbhar / Nayana Sharad Gadhave		
Roll No.	Name of Candidate	
		Second Sessional P...
		Out of 40
		2024-04-29
1	Priyanka Aher	36.00
2	Dnyaneshwari Bhor	36.00
3	Sumit Bhosale	28.00
4	Diksha Bhujbal	32.00
5	Apurva Bhujbal	36.00
6	Sanket Bilbile	36.00
7	Nandini Chakane	33.00
8	Swayam Chandediya	32.00
9	Rahul Changle	35.00
10	Akanksha Chavan	36.00
11	Vaishnavi Chikane	37.00
12	Shreya Daine	28.00
13	Rushikesh Gadage	37.00
14	Pradnya Gadekar	37.00
15	Abhijit Gadekar	37.00
16	Siddhi Gadge	37.00
17	Siddhi Gadge	33.00
18	Sayali Gadge	37.00
19	Sharvani Gadge	36.00
20	Rushikesh Gagare	37.00
21	Pallavi Ghodekar	38.00


Signature of staff
Signature of HOD / Principal

VERIFIED




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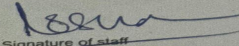
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Subject : HAP-II (Practical) [BATCH B]		
Academic Year : 2023-24		
Name of course & year : - F Y B PHARM SEM II		
Faculty : Umesh Rajaram Kumbhar / Nayana Sharad Gadhawe		
Roll No.	Name of Candidate	
		Second Sessional P...
		Out of 40
		2024-04- 30
22	Mayur Gode	35.00
23	Chaitali Gorad	38.00
24	Sahil Ile	26.00
25	Atharva Jadhav	29.00
26	Swapna Jarande	36.00
27	Tanushri Kale	35.00
28	Nutan Kale	38.00
29	Apurva Kapare	38.00
30	Shravani Kavale	37.00
31	Aditya Khedkar	36.00
32	Anuj Khond	32.00
33	Shubham Kolekar	38.00
34	Sonali Kurhade	39.00
35	Harsh Maskare	32.00
36	Sonali More	39.00
37	Yash Navale	32.00
38	Abhijit Nighut	36.00
39	Prajwal Palmode	38.00
40	Pratiksha Pawade	37.00
41	Aditya Pawar	32.00
42	Pranjal Pokharkar	38.00


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Signature of HOD / Principal




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Subject : HAP-II (Practical)
[BATCH C]

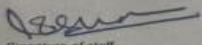
Academic Year : 2023-24

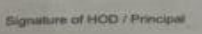
Name of course & year : - F Y B
PHARM SEM II

Faculty : Umesh Rajaram
Kumbhar / Nayana Sharad
Gadhawe

Roll No.	Name of Candidate	
		Second Sessional Pr...
		Out of 40
		2024-05- 02
43	Payal Rajput	27.00
44	Nehal Ranahur	31.00
45	Aishwarya Ratnakar	35.00
46	Vaibhavi Ravare	28.00
47	Kartik Sahane	25.00
48	Aaryan Satpute	24.00
49	Harshada Shinde	36.00
50	Shweterani Solat	32.00
51	Hanuman Sonnar	38.00
52	Aditya Tawhare	30.00
53	Tejeshvini Tikudave	39.00
54	Devraj Vaital	35.00
55	Rajendra Wadge	Absent
56	Manish Wadhu	34.00
57	Saniya Wagh	38.00
58	Nayan Wakchaure	32.00
59	Tarvi Walunj	39.00
60	Yash Walunj	27.00
61	Shravya Warule	27.00
62	Om Zaware	35.00

VERIFIED


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Signature of HOD / Principal




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Principal

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ALE, TAL - JUNNAR, DIST - PUNE 412411.
Mob:9892376014 E-Mail: vjasm.principal@gmail.com
Subject : PHARMACEUTICAL ORGANIC CHEMISTRY II (Theory)
Academic Year : 2023-24
Name of course & year : - S. Y. B. PHARM SEM III
Faculty : SACHIN SUBHASH KADAM

Roll No.	Name of Candidate	OPEN BOOK TEST	First Sessional The...	Second Sessional Th...	Attendance	Student Teacher Int...	Average	Summation
		Out of 4	Out of 15	Out of 15	Out of 4	Out of 2	Out of 15.00	Out of 25.00
		2023-12-15	2023-10-31	2023-12-20	2024-01-01	0000-00-00		
1	Yogesh Ambekar	3.00	11.00	11.00	2.00	2.00	11.00	18.00
2	Karan Auti	4.00	11.00	12.00	2.00	2.00	12.00	20.00
3	Shruti Auti	4.00	13.00	14.00	3.00	2.00	14.00	23.00
4	Pranav Bhagat	4.00	7.00	9.00	1.00	2.00	8.00	15.00
5	Prajakta Bhandalkar	3.00	15.00	15.00	3.00	2.00	15.00	23.00
6	Madhura Bhor	4.00	14.00	14.00	4.00	2.00	14.00	24.00
7	Akanksha Bhor	4.00	11.00	15.00	4.00	2.00	13.00	23.00
8	Ishwari Borate	4.00	11.00	14.00	1.00	2.00	13.00	20.00
9	Siddhi Borhade	4.00	13.00	15.00	1.00	2.00	14.00	21.00
10	Bhakti Chate	4.00	10.00	14.00	2.00	2.00	12.00	20.00
11	Vaishnavi Chaurse	4.00	14.00	14.00	2.00	2.00	14.00	22.00
12	Samadhan Dawkhari	4.00	8.00	10.00	1.00	2.00	9.00	16.00
13	Sanika Dolas	2.00	7.00	10.00	1.00	2.00	9.00	14.00
14	Pradnya Gaikwad	4.00	14.00	15.00	3.00	2.00	15.00	24.00
15	Nikita Gawari	4.00	15.00	15.00	3.00	2.00	15.00	24.00
16	Pratiksha Ghule	4.00	14.00	14.00	3.00	2.00	14.00	23.00
17	Sanika Gorade	4.00	15.00	15.00	4.00	2.00	15.00	25.00
18	Sahil Hande	4.00	5.00	9.00	1.00	2.00	7.00	14.00
19	Gayatri Holkar	4.00	12.00	15.00	3.00	2.00	14.00	23.00
20	Anam Inamdar	4.00	12.00	14.00	3.00	2.00	13.00	22.00
21	Sanket Jadhav	3.00	9.00	11.00	1.00	2.00	10.00	16.00
22	Vaishnavi Jadhav	4.00	15.00	15.00	4.00	2.00	15.00	25.00
23	Dhanashri Jori	4.00	15.00	15.00	3.00	2.00	15.00	24.00
24	Sayli Junghare	4.00	12.00	15.00	1.00	2.00	14.00	21.00
25	Shweta Kale	4.00	9.00	12.00	2.00	2.00	11.00	19.00
26	Sarthak Kale	4.00	2.00	5.00	3.00	2.00	4.00	13.00
27	Sanjana Kalpatil	4.00	6.00	14.00	1.00	2.00	10.00	17.00
28	Nandini Kapase	4.00	13.00	13.00	1.00	2.00	13.00	20.00
29	Om Khairi	4.00	13.00	11.00	3.00	2.00	12.00	21.00
30	Gajanan Khandagale	2.00	9.00	10.00	1.00	2.00	10.00	15.00

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1/3



Sachin Subhash Kadam
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31	Sakshi Khandge	4.00	12.00	14.00	1.00	2.00	13.00	20.00
32	Aditya Khokrale	2.00	Absent	Absent	1.00	2.00	Absent	5.00
33	Anushka Kumbhar	4.00	13.00	15.00	2.00	2.00	14.00	22.00
34	Avantika Kurhade	4.00	7.00	10.00	1.00	2.00	9.00	16.00
35	Om Lohakare	4.00	5.00	4.00	1.00	2.00	5.00	12.00
36	Jyoti Lokhande	4.00	13.00	13.00	2.00	2.00	13.00	21.00
37	Aditya Markad	4.00	7.00	7.00	1.00	2.00	7.00	14.00
38	Krushnali Mawal	4.00	10.00	13.00	4.00	2.00	12.00	22.00
39	Sayali Mergal	4.00	11.00	15.00	4.00	2.00	13.00	23.00
40	Sanket Midage	4.00	11.00	9.00	1.00	2.00	10.00	17.00
41	Shravan Nalawade	4.00	9.00	11.00	1.00	2.00	10.00	17.00
42	Trupti Narhe	4.00	15.00	15.00	3.00	2.00	15.00	24.00
43	Siddhi Navale	4.00	12.00	15.00	3.00	2.00	14.00	23.00
44	Komal Navture	4.00	11.00	9.00	3.00	2.00	10.00	19.00
45	Mrunal Padekar	4.00	13.00	13.00	2.00	2.00	13.00	21.00
46	Abhiraj Pandit	4.00	9.00	11.00	2.00	2.00	10.00	18.00
47	Shruti Parkhe	4.00	14.00	15.00	4.00	2.00	15.00	25.00
48	Shoaib Patel	1.00	11.00	9.00	1.00	2.00	10.00	14.00
49	Rohini Pawar	4.00	13.00	14.00	3.00	2.00	14.00	23.00
50	Divya Pawar	4.00	11.00	15.00	2.00	2.00	13.00	21.00
51	Shruti Phadale	4.00	14.00	15.00	1.00	2.00	15.00	22.00
52	Kshitija Phapale	4.00	12.00	14.00	1.00	2.00	13.00	20.00
53	Tanvi Saswade	3.00	7.00	8.00	1.00	2.00	8.00	14.00
54	Saniya Sayyed	4.00	14.00	15.00	1.00	2.00	15.00	22.00
55	Muskan Shaikh	4.00	11.00	12.00	1.00	2.00	12.00	19.00
56	Shruti Shinde	4.00	14.00	15.00	3.00	2.00	15.00	24.00
57	Tanuja Shinde	4.00	10.00	13.00	3.00	2.00	12.00	21.00
58	Mayur Shingade	4.00	7.00	7.00	4.00	2.00	7.00	17.00
59	Manaswee Sonawane	4.00	15.00	15.00	4.00	2.00	15.00	25.00
60	Ajay Tambade	2.00	8.00	8.00	1.00	2.00	8.00	13.00
61	Nisha Thorat	4.00	14.00	15.00	2.00	2.00	15.00	23.00
62	Udayan Thorat	3.00	1.00	4.00	1.00	2.00	3.00	9.00
63	Atharva Thosar	4.00	7.00	7.00	1.00	2.00	7.00	14.00
64	Vaibhavi Wadgaonkar	4.00	7.00	8.00	1.00	2.00	8.00	15.00
65	Shruti Wagh	4.00	10.00	14.00	2.00	2.00	12.00	20.00
66	Aniket Walve	4.00	11.00	12.00	4.00	2.00	12.00	22.00
67	Vivek Yadav	4.00	15.00	15.00	4.00	2.00	15.00	25.00
68	Prasad Zodge	4.00	12.00	13.00	1.00	2.00	13.00	20.00
69	Sakshi Ghangale	4.00	13.00	15.00	4.00	2.00	14.00	24.00
70	Divya Ghule	4.00	10.00	14.00	1.00	2.00	12.00	19.00
71	Ketki Gomase	4.00	13.00	15.00	4.00	2.00	14.00	24.00
72	Aishwarya Jadhav	4.00	14.00	15.00	4.00	2.00	15.00	25.00
73	Siddhesh Jadhav	4.00	13.00	15.00	1.00	2.00	14.00	21.00
74	Ankita Khandagale	4.00	14.00	14.00	4.00	2.00	14.00	24.00
75	Maya Shinde	4.00	11.00	13.00	3.00	2.00	12.00	21.00
76	Tejal Titir	4.00	10.00	15.00	4.00	2.00	13.00	23.00
77	Akash Waykar	4.00	0.00	3.00	1.00	2.00	2.00	9.00

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Dr. Kadam S.S.

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College Name	CPHP012670 - VISHAL INSTITUTE OF PHARMACEUTICAL EDUCATION & RESEARCH			
Pattern Name	11319 - BPharmacy(2019 Pattern)	Batch No	202310176117	
Subject Name	BP304T - Pharmaceutical Engineering - Theory	Exam Type	INTERNAL OUT OF 25	
Teacher Name	Pawar Sonali Baban (Mob. No.: 7057006266) - Internal Examiner			

Total Students	Present Students	Absent Students	Not Applicable	Detained
84	83	1	0	0

Seat No	Marks/Grade	Seat No	Marks/Grade	Seat No	Marks/Grade	Seat No	Marks/Grade
16583	20	16676	22	16747	21	16838	13
16584	23	16678	12	16751	20	16839	20
16586	18	16681	21	16753	22	16841	22
16589	21	16682	23	16755	22	16846	18
16590	13	16685	22	16757	19	16851	21
16591	23	16690	23	16763	22	16858	20
16596	16	16691	22	16765	21	16862	11
16597	16	16697	22	16767	20	16864	22
16598	23	16698	23	16769	17	16868	21
16602	22	16702	14	16773	21		
16603	21	16703	20	16774	21		
16616	22	16705	16	16775	22		
16617	22	16708	22	16798	17		
16624	20	16714	23	16800	20		
16626	22	16715	22	16804	23		
16630	20	16716	20	16806	21		
16637	15	16717	22	16811	22		
16641	20	16721	(AB)	16812	13		
16646	15	16729	20	16814	22		
16662	22	16731	20	16815	20		
16665	23	16738	16	16818	15		
16666	22	16740	23	16822	23		
16670	20	16742	15	16826	23		
16671	23	16745	19	16831	15		
16674	22	16746	21	16837	22		

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3. For Technical Queries Mail on intmarks@pun.unipune.ac.in with query details, Contact No : (020)71533633

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Module List

PHARMACEUTICAL INORGANIC CHEMISTRY [F.Y.B. PHARM SEM I - ABHIJEET ASHOK SONAWANE]

Actions Add New Module

#	Module	Type	% Weightage	Syllabus	Marks	Duration (Minutes)	Date	Threshold	Question Paper	Performance	Attachment	Actions	Added By
1	SECOND SESSIONAL THEORY EXAM 2023...	Internal	7	Electrolytes dental products	30	90	Sat Dec 23 2023	50	Generate Question Paper Questionwise Analysis	Students Performance		Download Print Share	ABHIJEET ASHOK SONA...
2	First SESSIONAL THEORY EXAM 2023-24	Internal	8	G.I.Agents, Sources of Impurities ...	30	90	Fri Nov 03 2023	0	Generate Question Paper Questionwise Analysis	Students Performance		Download Print Share	ABHIJEET ASHOK SONA...
3	Semester theory exam OCT-23	External	75	G.I. agents, electrolytes, antimo...	75	0		0	Generate Question Paper Questionwise Analysis	Students Performance		Download Print Share	ABHIJEET ASHOK SONA...
4	Attendance	Internal	4		4	0		0	Generate Question Paper Questionwise Analysis	Students Performance		Download Print Share	ABHIJEET ASHOK SONA...
5	Student teacher interaction	Internal	2		2	0		0	Generate Question Paper Questionwise Analysis	Students Performance		Download Print Share	ABHIJEET ASHOK SONA...
6	Third/Improvement Sessional Exam	Internal	7	sources of impurities, water, G.I....	30	90	Mon Jan 29 2024	0	Generate Question Paper Questionwise Analysis	Students Performance		Download Print Share	ABHIJEET ASHOK SONA...
7	FOURTH IMPROVEMENT SESSIONAL EXAM ...	Internal	8	G I AGENTS IMPURITIES etc	30	90	Thu Apr 25 2024	0	Generate Question Paper Questionwise Analysis	Students Performance		Download Print Share	ABHIJEET ASHOK SONA...

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