NIRMALA COLLEGE OF PHARMACY
MUVATTUPUZHA

Muvattupuzha P.O., Ernakulam Dist., Kerala – 686661
Telephones: 0485 2836888, 0485 2830666
Email: nip_mvpa@yahoo.co.in Website: www.nirmalacp.org

FIRST CYCLE NAAC ACCREDITATION 2023

CRITERION 1

CURRICULAR ASPECTS

1.2.2 Percentage of students enrolled in Certificate/ Add-on/Value added programs and also completed online MOOC programs like SWAYAM, NPTEL etc. as against the total number of students during the last five years

Submitted to

THE NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

1.2.2. Number of students enrolled in subject related Certificate/ Add-on/Value added programs and also completed online MOOC programs like SWAYAM, NPTEL etc. year wise during last five year

REPORT ON ADD-ON COURSE OFFERED BY THE INSTITUTION

DURING THE ACADEMIC YEAR 2018-2019

Sl. No	COURSES	View Page
1.	Quality By Design Setting of Qualitative Targets	View Page
2	Sigma Plot: A Tool for Statistical Analysis	View Page
3	Pharmacokinetic Modelling Programme	View Page
4	Basic Course in Yoga and Meditation	View Page

NIRMALA COLLEGE OF PHARMACY, MUVATTUPUZHA

Affiliated to Kerala university of Health sciences Thrissur
Approved by Government of Kerala, AICTE and PCI, New Delhi

AY 2018-2019

Add on course report Submitted to Head of the department

Name of add on course: **Quality By design-Setting qualitative targets**

Number of students Enrolled: 3

Number of students Completed: 3

Date of starting the course: 3/10/18

Date of completion: 18/12/18

Number of Hours Class conducted: 35hrs

Assessment Method carried Out: Assignment Report

Course Coordinator: Dhanish Joseph

Dhanish Joseph

for. P. Daju Date

NIRMALA COLLEGE OF PHARMACY Muvattupuzha Ernakulam Dist. Kerala

NIRMALA COLLEGE OF PHARMACY, MUVATTUPUZHA

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Submitted by:

Name: Junia George

Register number: 1056

Roll number: 2

VII Semester M Pharm

NIRMALA COLLEGE OF PHARMACY
Muvattupuzha
Ernakulam Dist.
Kerala

December 2018

Module Objective: At the end of this module students must know the

A. Current application of computers in Drug development.

B. Design and develop highly sustainable, reproducible and high quality drug products with reduce product variability and defects.

C. The various factors that contribute towards development of a drug delivery system

D. Formulate and perform analysis of drug delivery system using statistical software

Module Outcome: From this module we studied about

- Computer aided drug development using design expert software.
- To design analyze and determine the level of parameters on an experiment.
- To determine the statistical significance of given data using sigma plot.
- To apply the PKPD modelling program and determine the kinetic parameters and to design the dose and dosage regimen by Swiss ADME.

Design expert

Design-Expert provides powerful tools to lay out an ideal experiment on process, mixture or combination of factors and components. When in doubt, build it stout via in-line power calculations and the ability to add blocks and centre points. Design-Expert's design wizards and intuitive layouts such as the stoplight configuration for two-level factorials make it all far easier. Design-Expert makes it easy to see what, if anything emerges as statistically significant and how to model the results most precisely. It provides the confidence you need to present and, perhaps, publish your findings. Design-Expert offers a wide selection of graphs that help us to identify standout effects and visualize results. Its outputs create a strong impression when we communicate our findings to supervisors and peers.

Assignment:

We got an assignment and work out it through the software. The results obtained are submitted.

Question: Develop a transdermal patch using Ethyl cellulose and cellulose acetate phthalate. To extend the drug release upto 24 hrs.

	+1	-1
Ethyl cellulose	25MG	10mg
cellulose acetate	25mg	10mg

Table No.2.1 Design of experiment

		Factor 1	Factor 2	Response 1
Std	Run	A:Ethyl cellulose mg	B:Cellulose acetate mg	Extension Duration hr
1	10	10	10	8.5
2	4	10	10	12.6
3	5	10	10	14.2
4	9	25	10	19.5
5	1	25	10	23.5
6	8	25	10	28.6
7	3	10	25	26.4
8	11	10	25	24.2
9	2	10	25	32
10	12	25	25	41
11	7	25	25	42.5
12	6	25	25	46

Analysis

ANOVA for selected factorial model

Table No.2.2 Response 1: Extension Duration

Source	Sum of Squares	df	Mean Square	F-value	p-value
Model	1508.47	3	502.82	38.53	< 0.0001significant
A-Ethyl cellulose	576.85	1	576.85	44.20	0.0002
B-Cellulose acetate	922.25	1	922.25	70.67	< 0.0001
AB	9.36	1	9.36	0.7175	0.4216
Pure Error	104.41	8	13.05		
Cor Total	1612.88	11			

Factor coding is **Coded**.
Sum of squares is **Type III – Partial**

The **Model F-value** of 38.53 implies the model is significant. There is only a 0.01% chance that an F-value this large could occur due to noise.

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5	1	25	10	23.5
6	8	25	10	28.6
7	3	10	25	26.4
8	11	10	25	24.2
9	2	10	25	32
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11	7	25	25	42.5
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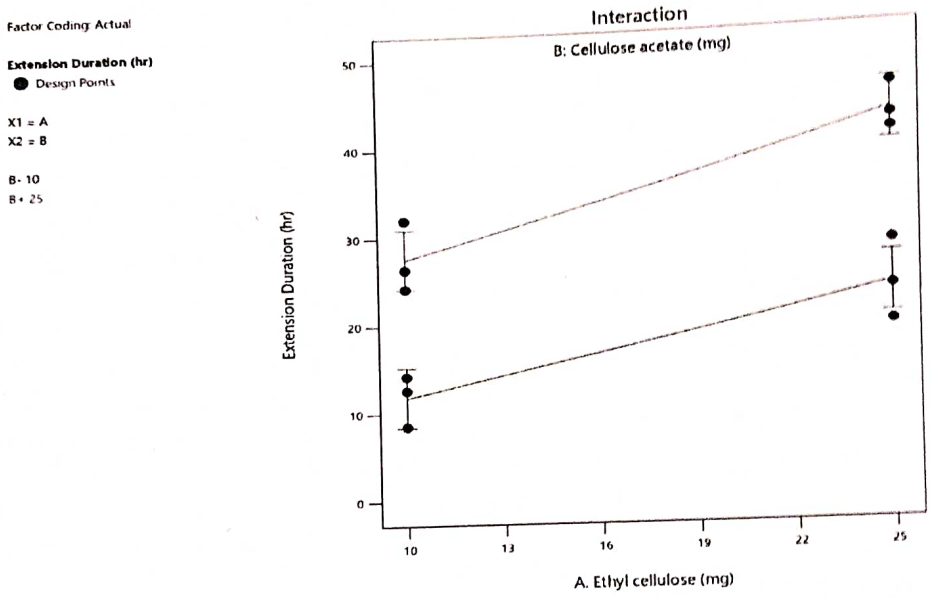
P-values less than 0.0500 indicate model terms are significant. In this case A, B are significant model terms. Values greater than 0.1000 indicate the model terms are not significant. If there are many insignificant model terms (not counting those required to support hierarchy), model reduction may improve your model.

Graph

- Interation plot

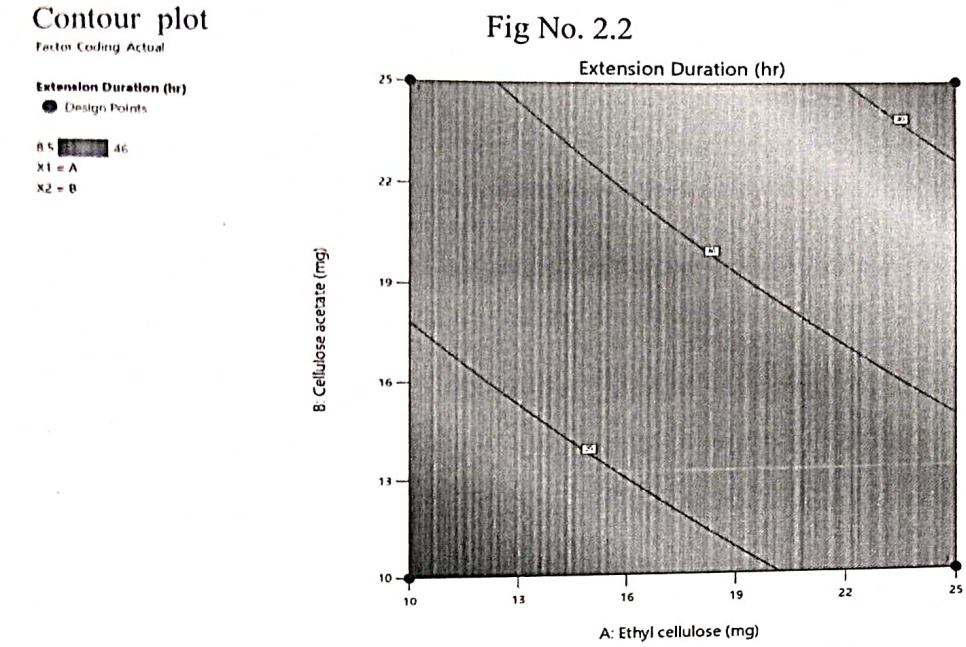
fig.No.2.1



Interpretation: The interaction graph represents the interaction of ethyl cellulose and cellulose acetate on extension duration. The X axis represents variable and Y axis represents response. The red line represents highest concentration of cellulose acetate and black line represents lowest concentration of cellulose acetate. From the graph we were able to interpret

- Contour plot

Fig No. 2.2



Interpretation: In this we can analyses and predict the response. The line represents the contour and colour represents the response. The blue represent lowest and red indicate highest response. From this we get an extension duration of 12 hrs when cellulose acetate having concentration approximately 10 mg and ethyl cellulose at 10 mg approximately.

Optimization

Table No. 2.3 Constraints

Name	Goal	Lower Limit	Upper Limit	Lower Weight	Upper Weight	Importance
A:Ethyl cellulose	is in range	10	12	1	1	3
B:Cellulose acetate	is in range	10	12	1	1	3
Extension Duration	is target = 12	8.5	46	1	1	3

Solutions

1 Solutions found

Table No. 2.4 Solutions

Number	Ethyl cellulose	Cellulose acetate	Extension Duration	Desirability

1	10. 169	10. 092	12. 000	1. 000 selected

Conclusion:

To extend the drug release of transdermal patch using Ethyl cellulose and cellulose acetate phthalate upto 12 hrs, the level of ethyl cellulose and cellulose acetate must be in the range of 10 to 12 which will not exceed the highest limit 10 and 25.

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AY 2018-2019

Add on course report Submitted to Head of the department

Name of add on course: **Sigma Plot a statistic Tool**

Course Organised for : M Pharm Students

Number of students Enrolled: 9

Number of students Completed: 9

Date of starting the course: 18/12/18

Date of completion: 27/02/19

Number of Hours Class conducted: 35hrs

Assessment Method carried Out: Assignment Report

Course Coordinator: Dhanish Joseph

for.

Dhanish Joseph

Dr. Baiju Dasan

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Submitted by:

Name: Betsy Sunny

Roll number: 1

Program M Pharm

NIRMALA COLLEGE OF PHARMACY
Muvattupuzha
Ernakulam Dist.
Kerala

March 2019

1.2 INTRODUCTION TO BIOSTATISTICS

SUMMARY

Biostatistics are the development and application of statistical methods to a wide range of topics in biology. It encompasses the design of biological experiments, the collection and analysis of data from those experiments and the interpretation of the results.

Probability value (*P* value): The level at which statistical significance occurs from a finding. It reflects the strength of the results found in a study and determines the likelihood that results were due to chance.

A null hypothesis is a hypothesis that says there is no statistical significance between the two variables. It is usually the hypothesis a researcher or experimenter will try to disprove or discredit. An alternative hypothesis is one that states there is a statistically significant relationship between two variables.

One way annova: The one-way analysis of variance is used to determine whether there are any statistically significant difference between the means of 2 or more independent groups; used to compare 2 or more samples.

ASSIGNMENT

The disintegration times (min) of 4 different batches of immediate release tablet are given below. identify which batches are similar.(Table 2.6)

D.T 1	D.T.2	D.T.3	D.T.4
1	3.5	2.5	1.8
1.5	4.5	3.5	2.4
2	3.6	4.1	2.3
3	5.1	2.4	3.1
1.5	3.2	3.1	3.8

REPORT

Sunday, March 17, 2019, 22:31:17

One Way Analysis of Variance

Data source: Data 1 in Notebook1

Normality Test (Shapiro-Wilk): Failed ($P < 0.050$)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

Sunday, March 17, 2019, 22:31:17

Data source: Data 1 in Notebook1

Group	N	Missing	Median	25%	75%
D.T.1	5	0	1.500	1.250	2.500
D.T.2	5	0	3.600	3.350	4.800
D.T.3	5	0	3.100	2.450	3.800
D.T.4	5	0	2.400	2.050	3.450

$H = 11.454$ with 3 degrees of freedom. ($P = 0.010$)

The differences in the median values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference ($P = 0.010$)

To isolate the group or groups that differ from the others use a multiple comparison procedure.

All Pairwise Multiple Comparison Procedures (Tukey Test):

Comparison	Diff of Ranks	q	P	P<0.050
D.T.2 vs D.T.1	61.500	4.649	0.006	Yes
D.T.2 vs D.T.4	36.500	2.759	0.207	No
D.T.2 vs D.T.3	22.000	1.663	0.642	Do Not Test
D.T.3 vs D.T.1	39.500	2.986	0.149	No
D.T.3 vs D.T.4	14.500	1.096	0.866	Do Not Test
D.T.4 vs D.T.1	25.000	1.890	0.540	Do Not Test

Note: The multiple comparisons on ranks do not include an adjustment for ties

One way annova: The one-way analysis of variance is used to determine whether there are any statistically significant difference between the means of 2 or more independent groups; used to compare 2 or more samples.

ASSIGNMENT

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REPORT

One Way Analysis of Variance Sunday, March 17, 2019, 22:31:17

Data source: Data 1 in Notebook1

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

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D.T.4 vs D.T.1	25.000	1.890	0.540	Do Not Test

Note: The multiple comparisons on ranks do not include an adjustment for ties

A result of "Do Not Test" occurs for a comparison when no significant difference is found between the two rank sums that enclose that comparison. For example, if you had four rank sums sorted in order, and found no significant difference between rank sums 4 vs. 2, then you would not test 4 vs. 3 and 3 vs. 2, but still test 4 vs. 1 and 3 vs. 1 (4 vs. 3 and 3 vs. 2 are enclosed by 4 vs. 2: 4 3 2 1). Note that not testing the enclosed rank sums is a procedural rule, and a result of Do Not Test should be treated as if there is no significant difference between the rank sums, even though one may appear to exist.

CONCLUSION

The differences in the median values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.010)

And found to be no significant difference between rank sums 4 vs. 2, then you would not test 4 vs. 3 and 3 vs. 2, but still test 4 vs. 1 and 3 vs. 1 (4 vs. 3 and 3 vs. 2 are enclosed by 4 vs. 2: 4 3 2 1)and these batches are similar also.

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Add On course Report Submitted to Head of the department
AY 2018-2019

Name of add on course:

Pharmacokinetic Modelling program

Course Organized for : M Pharm Students

Number of students Enrolled: 9

Number of students Completed: 9

Date of starting the course: -1/03/19

Date of completion: 05/05/19

Number of Hours Class conducted: 35hrs

Assessment Method carried Out: Assignment Report

Course Coordinator: Dhanish Joseph

Dhanish Joseph

for.
Dr. Dajo Das

List of students Completed Is enclosed

NIRMALA COLLEGE OF PHARMACY
Muvattupuzha
Ernakulam Dist.
Kerala

NIRMALA COLLEGE OF PHARMACY, MUVATTUPUZHA

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Submitted by:

Name: Bimi Varghese

Roll number: 3

VII Semester M Pharm

NIRMALA COLLEGE OF PHARMACY
Muvattupuzha
Ernakulam Dist.
Kerala

PHARMACOKINETIC MODELLING PROGRAMME

SUMMARY

Drug development involves assessment of absorption, distribution, metabolism and excretion (ADME) increasingly earlier in the discovery process, at a stage when considered compounds are numerous but access to the physical samples is limited. In that context, computer models constitute valid alternatives to experiments.

The SwissADME web to compute physicochemical descriptors as well as to predict ADME parameters, pharmacokinetic properties, drug like nature and medicinal chemistry friendliness of one or multiple small molecules to support drug discovery.

ASSIGNMENT

Select any 3 drug molecules of same chemical classification and determine the ADME parameters and report how efficient the drug to enter into systemic circulation to produce the therapeutic activity.(Table 2.7)

	Drug 1	**Drug 2**	**Drug 3**
Physicochemical properties	**Acetyl Choline**	**Carbachol**	**Pilocarpine**
Molecular weight	146.21 g/mol	182.65 g/mol	208.26 g/mol
Lipophilicity			
ConsensusLog$P_{o/w}$	-1.84	-2.82	1.11
Water solubility			
Log S (ESOL)	2.23	1.86	-1.26
Solubility	2.46e+04mg/ml; 1.68e+02mol/l	1.31e+04 mg/ml 7.17e+01 mol/l	1.16e+01mg/ml; 5.55e-02mol/l
Class	Highly soluble	Highly soluble	Very soluble
Pharmacokinetics			
GI absorption	High	Low	High
P-gp substrate	Yes	No	No
CYP inhibitor	No	No	No
Log k_p (skin permeation)	-10.24 cm/s	-10.30 cm/s	-7.49 cm/s

CONCLUSION

The ADME parameters of cholinergic drugs acetyl choline, carbachol and pilocarpine was determi

REPORT ON THE YOGA CLASS CONDUCTED (2018-2029)

First Year B Pharm and Pharm D students completed the yoga training started in the month of September 2018. The training was arranged by Mental and Physical Fitness Committee, Nirmala college of Pharmacy, Muvattupuzha , in collaboration with Nirmala Yoga Centre . Rev Sr. Infant Tresa F.F.C, Director, Nirmala Yoga Centre, affiliated to Tamil Nadu Sports University, provided the training.

The certificates were distributed on 5 th February 2019, in a meeting held at College Seminar Hall. Administrator Rev. Fr. Jos Mathai presided over the function. Principal, Dr. Manju Maria Mathews delivered the key note address. Vice Principal, Ms Deepa Jose and Yoga Instructor Rev. Sr. Infant Treesa addressed the gathering.

Presidential address by Administrator Rev. Fr. Jos Mathai

Felicitation speech by DR.DEEPA JOSE

Certificate Distribution Ceremony of basic course in Yoga and meditation

Feedback Link: B Pharm (2018-2022) https://forms.gle/MLyJLswcwRqrLSh9A

Pharm D(2018-2024) https://forms.gle/zC84i9rYhjCUshBKA

2018 - 2019

Name: Abin Biju
Roll no: 2
Admission No:
Signature of student:

NIRMALA COLLEGE OF PHARMACY, MUVATTUPUZHA

FirstSemester B. Pharm Add on Course Examination (2018 -19)

Code and Name of course: BYM01-Basic Course in Yoga and Meditation **Date:----------**

Theory :20 Marks& Practical:30MarksMax Marks: 50

GENERAL INSTRUCTION

- **Answer both the SECTION A & SECTION B**
- **Section A**:20 Multiple choice questions (20 marks)
- **Section B**: Yoga Practice (30 marks)

SECTION A (EACH QUESTIONS CARRY 1 MARK)

39/50

1. Which of the followings is not significant to yoga?
   a) Keeping a mental health
   b) Physical health
   c) helps to connect nature to the body
   d) To improve personal relation
2. The Sanskrit word yoga means……
   a) Community
   b) Union
   c) Relaxation
   d) Peace
3. Who is the father of yoga?
   a) Pathanjali
   b) Basbandhu
   c) Bhodhidharma
   d) Kumarajeeva
4. What is/are the benefit of yoga?
   a) stress relaxation
   b) improve blood circulation
   c) improve the breathing
   d) all of the above
5. Which of the following is not an aim of *Pranayama*?
   a) Revitalized the body
   b) Balance the emotions
   c) Promote clarity of mind and intellectual
   d) Improve bone strength
6. Which of the following is not a *Panjabhootha?*
   a) Water
   b) Air
   c) Sun light
   d) Earth
7. Select the number of *koshas* do the humans have as per the yogic system?
   a) 5

b) 3
c) 2
d) 4

8.Select the following country in which YOGA originated from.
a) India
b) China
c) Japan
d) America

9.Which of the following asana will be strengthening the spinal code?
a) Matsyasana
b) Gobukasana
c) Savasana
d) Chakraasna

10.When international yoga day celebrates?
a) 21st June
b) 22nd July
c) 21 stJanuary
d) 22 ndJuly

11.Which of the following principles NOT taught in yoga?
a) Relaxation
b) Flexibility
c) Strength
d) Proper excises

12.Which asana improves neuro-muscular coordination balance and alertness?
a) Vrikshasana
b) Vajrasana
c) Bhujangaasana
d) Konasna

13.What is the second pose in *Suryanamaskara*?
a) Namaskaraanana
b) Hastottanasana
c) Padahastasana
d) Parvataasna

14.How many Vedas are there?
a) 8
b) 2
c) 6
d) 4

15.*Pranayama* is cutting down speed of----
a) Mind
b) Anger
c) Inhalation and exhalation
d) Body

16.Yoga teacher must start with ----------
a) Pranayama
b) Asana
c) Kriya
d) Silence

17.Which of the following one is a yoga by Shivanandi?
a) Bakthi
b) Jnana

Savasana
d) Thantra

18.Chose the appropriate amount of time to wait after a meal before beginning a yoga practice
a) 30 min
b) 60min
c) 90 min
d) 15 min

19.How many steps are there in *suryanamaskar*?
a) 10
b) 12
c) 7
d) aor b

20.What is *Kumbhaka*in yoga?
a) Retention or holding the breath
b) Inhalation
c) Exhalation
d) All of the above

SECTION B (30 marks)

1.Yoga practice

	SECTION A	SECTION B
Course Outcome	CO1	CO2
Bloom Level*	UNDERSATNĐ	APPLY

Section A (20 Marks)	Section B (30 Marks)	Mark Obtained(Out of 50)
19	20	39

Question Paper Prepared By:**Sr. INFANT THRESA F.C.C.C,**
Yoga therapist
Nirmala yoga centre
Muvattupuzha -686661

Answer Key

NAME OF ADD ON COURSE: Basic Course in Yoga and Meditation

YEAR & BATCH: First year B Pharm (2018-2023)

ACADEMIC YEAR: 2018-2019

Section A: Multiple choice (20)

Q. No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Answer	d	b	a	d	d	c	a	a	a	a	a	a	b	d	c	d	c	c	d	a

Section B: Yoga Practice (30 marks)

ANSWER KEY PREPARED BY: **Sr. INFANT THRESA F.C.C.C,**
Yoga therapist
Nirmala yoga centre
Muvattupuzha -686661

NIRMALA
COLLEGE OF PHARMACY
Nirmala Hills, Muvattupuzha P.O,
Ernakulam district, Kerala, India - 686 661

ADD-ON COURSE EXAMINATION MARK SHEET AND RESULTS (AY:2018-2019)

NAME OF ADDON COURSE: BASIC COURSE IN YOGA AND MEDITATION

Sl No	Adm No	Name Of Student	Program Of Study	Batch	Semester/Year	Section A(20)	Section B(30)	Total Out Of 50 Marks	Percentage Of Mark Obtained	Result (Pass/Fail)
1	1093	Ajwin Joseph Martin	B Pharm	2018-2022	First semester	11	15	26	52	PASS
2	1064	Akash Johnson	B Pharm	2018-2022	First semester	13	25	38	76	PASS
3	1065	Akash Vinod	B Pharm	2018-2022	First semester	8	17	25	50	PASS
4	1060	Akhila Venugopal Venugopal	B Pharm	2018-2022	First semester	12	13	25	50	PASS
5	1083	Akshay PR	B Pharm	2018-2022	First semester	11	24	35	70	PASS
6	1094	Alan George	B Pharm	2018-2022	First semester	7	18	25	50	PASS
7	1114	Aleetta Tomy	B Pharm	2018-2022	First semester	8	17	25	50	PASS
8	1066	Amala Joseph	B Pharm	2018-2022	First semester	16	15	31	62	PASS
9	1106	Amalu Mathew	B Pharm	2018-2022	First semester	14	14	28	56	PASS
10	1061	Aneena Jose	B Pharm	2018-2022	First semester	17	8	25	50	PASS
11	1078	Aneetta Vinobi	B Pharm	2018-2022	First semester	16	15	31	62	PASS
12	1095	Angel Bilbert	B Pharm	2018-2022	First semester	16	20	36	72	PASS
13	1067	Anitta Benny	B Pharm	2018-2022	First semester	12	13	25	50	PASS
14	1107	Ansiya Misreena	B Pharm	2018-2022	First semester	13	20	33	66	PASS
15	1111	Anuvindh Suresh	B Pharm	2018-2022	First semester	12	20	32	64	PASS
16	1068	Aparna Jestin	B Pharm	2018-2022	First semester	12	13	25	50	PASS
17	1115	Ashin Joseph	B Pharm	2018-2022	First semester	16	23	39	78	PASS

NIRMALA COLLEGE OF PHARMACY Muvattupuzha Ernakulam Dist. Kerala

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Managed by Nirmala College Society (Reg.-No.ER 928/2001), Diocese of Kothamangalam

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NBA NATIONAL BOARD OF ACCREDITATION

18	1096	Aswin Biju	B Pharm	2018-2022	First semester	11	14	25	50	PASS
19	1116	Atina Teresa Augustine	B Pharm	2018-2022	First semester	16	19	35	70	PASS
20	1069	Christy Varghese	B Pharm	2018-2022	First semester	16	9	25	50	PASS
21	1070	Cinta Mariya Tomy	B Pharm	2018-2022	First semester	14	22	36	72	PASS
22	1155	Davood Khaleel	B Pharm	2018-2022	First semester	13	16	29	58	PASS
23	1071	Denna K Dennies	B Pharm	2018-2022	First semester	15	18	33	66	PASS
24	1072	Divya Mathew	B Pharm	2018-2022	First semester	13	13	26	52	PASS
25	1097	Dona Shaju	B Pharm	2018-2022	First semester	14	13	27	54	PASS
26	1084	Fathima Almas Rassak	B Pharm	2018-2022	First semester	16	22	38	76	PASS
27	1098	Fathima Nezrin Mohammed	B Pharm	2018-2022	First semester	16	21	37	74	PASS
28	1108	Fathima Parvin	B Pharm	2018-2022	First semester	12	17	29	58	PASS
29	1109	Geona Tomy	B Pharm	2018-2022	First semester	13	13	26	52	PASS
30	1073	Insha T.I	B Pharm	2018-2022	First semester	10	17	27	54	PASS
31	1099	Jerin Wilson	B Pharm	2018-2022	First semester	12	13	25	50	PASS
32	1085	Jithin Np	B Pharm	2018-2022	First semester	12	24	36	72	PASS
33	1112	Kavya E M	B Pharm	2018-2022	First semester	16	20	36	72	PASS
34	1100	Lintu Jose	B Pharm	2018-2022	First semester	16	24	40	80	PASS
35	1101	Litta Eldho	B Pharm	2018-2022	First semester	16	9	25	50	PASS
36	1079	Maria C George	B Pharm	2018-2022	First semester	16	24	40	80	PASS
37	1080	Mary Greeta Simethy	B Pharm	2018-2022	First semester	15	12	27	54	PASS
38	1074	Melvin Sunny	B Pharm	2018-2022	First semester	9	16	25	50	PASS
39	1087	Merin James	B Pharm	2018-2022	First semester	13	19	32	64	PASS
40	1102	Merin P Abraham	B Pharm	2018-2022	First semester	12	13	25	50	PASS
41	1075	Merin Vincent	B Pharm	2018-2022	First semester	12	13	25	50	PASS
42	1103	Navya Saju	B Pharm	2018-2022	First semester	14	12	26	52	PASS
43	1076	Navya Sibi	B Pharm	2018-2022	First semester	11	21	32	64	PASS
44	1062	Nimmy Thomas	B Pharm	2018-2022	First semester	13	21	34	68	PASS
45	1081	P A Thanseeha Thasneem	B Pharm	2018-2022	First semester	14	14	28	56	PASS
46	1088	Pooja Shajan	B Pharm	2018-2022	First semester	17	23	40	80	PASS

47	1089	Rakhy Jolly	B Pharm	2018-2022	First semester	10	20	30	60	PASS
48	1117	Rani Baby	B Pharm	2018-2022	First semester	9	16	25	50	PASS
49	1090	Rimna Pareekutty	B Pharm	2018-2022	First semester	16	12	28	56	PASS
50	1104	Roshita Mariate B	B Pharm	2018-2022	First semester	10	15	25	50	PASS
51	1105	Sahadh M.M	B Pharm	2018-2022	First semester	10	15	25	50	PASS
52	1091	Saneesh Us	B Pharm	2018-2022	First semester	13	12	25	50	PASS
53	1082	Shabana Noushad	B Pharm	2018-2022	First semester	15	22	37	74	PASS
54	1110	Shyam Jith M	B Pharm	2018-2022	First semester	15	22	37	74	PASS
55	1118	Sneha P Valsan	B Pharm	2018-2022	First semester	12	22	34	68	PASS
56	1077	Sona K Shaji	B Pharm	2018-2022	First semester	14	20	34	68	PASS
57	1063	Sumayya B Muhammed	B Pharm	2018-2022	First semester	15	22	37	74	PASS
67	1120	AAN Mery Bosco	Pharm D	2018-2024	First year	17	20	37	74	PASS
68	1139	Abin Biju	Pharm D	2018-2024	First year	19	20	39	78	PASS
69	1148	Akshara Shaji	Pharm D	2018-2024	First year	15	15	30	60	PASS
70	1126	Aliena Sony	Pharm D	2018-2024	First year	17	19	36	72	PASS
71	1134	Anakha Shaji	Pharm D	2018-2024	First year	10	15	25	50	PASS
72	1121	Aneeta Jeeson	Pharm D	2018-2024	First year	18	19	37	74	PASS
73	1127	Angel George	Pharm D	2018-2024	First year	17	19	36	72	PASS
74	1140	Anju Varghese	Pharm D	2018-2024	First year	17	20	37	74	PASS
75	1128	Anna Maria Joy	Pharm D	2018-2024	First year	17	15	32	64	PASS
76	1129	Anns Mariya	Pharm D	2018-2024	First year	17	18	35	70	PASS
77	1141	Benita John	Pharm D	2018-2024	First year	17	19	36	72	PASS
78	1130	Camila A Carlman	Pharm D	2018-2024	First year	15	26	41	82	PASS
79	1142	Christy Sojan	Pharm D	2018-2024	First year	16	16	32	64	PASS
80	1131	Dilna Francis	Pharm D	2018-2024	First year	18	20	38	76	PASS
81	1135	Gopika M S	Pharm D	2018-2024	First year	18	20	38	76	PASS
82	1132	Jismol Joy	Pharm D	2018-2024	First year	16	19	35	70	PASS
83	1143	Lakshmiha Joshy	Pharm D	2018-2024	First year	15	20	35	70	PASS
84	1144	Lakshmipriya Santhosh	Pharm D	2018-2024	First year	18	18	36	72	PASS
85	1145	Manu Eappen	Pharm D	2018-2024	First year	20	20	40	80	PASS
86	1123	Merlin Susan Philp	Pharm D	2018-2024	First year	17	19	36	72	PASS
87	1136	Namrutha Krishna U R	Pharm D	2018-2024	First year	16	19	35	70	PASS

88	1146	Nikitha Thomas	Pharm D	2018-2024	First year	16	18	34	68	PASS
89	1137	Parvathy Lekshmi A	Pharm D	2018-2024	First year	16	17	33	66	PASS
90	1138	Safhana Nazrin T M	Pharm D	2018-2024	First year	16	18	34	68	PASS
91	1149	Shaniya Mathew	Pharm D	2018-2024	First year	16	18	34	68	PASS
92	1124	Shefin Mytheen	Pharm D	2018-2024	First year	16	16	32	64	PASS
93	1147	Siballa Varghese	Pharm D	2018-2024	First year	15	15	30	60	PASS
94	1133	Sradha Antony	Pharm D	2018-2024	First year	16	19	35	70	PASS
95	1125	Sreenath Sn	Pharm D	2018-2024	First year	20	15	35	70	PASS
96	1122	Deu Mol Joney	Pharm D	2018-2024	First year	10	15	25	50	PASS

Name And Signature Of Course Coordinator: Dr.Deepa Jose

NIRMALA COLLEGE OF PHARMACY
Muvattupuzha Ernakulam Dist. Kerala