



President :
Shri Amrishbhai R. Patel
M.L.A.

Principal :
Dr. S. B. Bari
M.Pharm. Ph.D., D.I.M.F.J.C.

CRITERIA: 1

CURRICULAR ASPECTS

SUMMARY

| Key Indicator: 1.1 | Curricular Planning and Implementation |
|--------------------|---|
| Metric No : 1.1.1 | The institution has a well-organized and documented approach for curriculum design and delivery that includes an academic calendar and ongoing internal assessment. |

LECTURE PLANNING AND DETAILS 2022 - 23

H. R. Patel Institute of Pharmaceutical Education and Research

NBA accredited B. Pharm Programme

'Serving Nation's Health'

Karwand Naka, Shirpur - 425405, Dist : Dhule (MS).

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**THE SHIRPUR EDUCATION SOCIETY
R. C. PATEL EDUCATIONAL TRUST**



Lecture Planning (Teaching Plan)

Class: Final Year B. Pharm Division B Subject: IMA

Lectures Required as per the Syllabus . 45

| Sr. No. | Date | Lecture No. | Topics Plan | Unit / Chapter Learning Outcome |
|---------|----------|-------------|-------------------------|---------------------------------|
| 1 | 01.07.22 | 01 | UV-Visible spectroscopy | CO-01 |
| 2 | 01.07.22 | 02 | UV-Visible spectroscopy | |
| 3 | 02.07.22 | 03 | UV-Visible spectroscopy | |
| 4 | 08.07.22 | 04 | UV-Visible spectroscopy | |
| 5 | 08.07.22 | 05 | UV-Visible spectroscopy | |
| 6 | 09.07.22 | 06 | UV-Visible spectroscopy | |
| 7 | 05.08.22 | 07 | UV visible spectroscopy | |
| 8 | 05.08.22 | 08 | Fluorimetry | CO-01 |
| 9 | 06.08.22 | 09 | Fluorimetry | |
| 10 | 12.08.22 | 10 | Fluorimetry | |
| 11 | 12.08.22 | 11 | IR Spectroscopy | CO-01,03 |
| 12 | 13.08.22 | 12 | IR Spectroscopy | |
| 13 | 19.08.22 | 13 | IR Spectroscopy | |
| 14 | 19.08.22 | 14 | IR Spectroscopy | |
| 15 | 20.08.22 | 15 | Flame Photometry | |

Sign. of Teacher



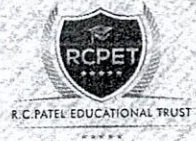
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Sign. of HOD / Vice Principal



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Lecture Planning (Teaching Plan)

Class: Final Year B. Pharm Division B Subject: ITMA
Lectures Required as per the Syllabus 45

| Sr. No. | Date | Lecture No. | Topics Plan | Unit / Chapter Learning Outcome |
|---------|----------|-------------|--|---------------------------------|
| 1 | 26.08.22 | 16 | Flame Photometry | CO-01,03 |
| 2 | 26.08.22 | 17 | Atomic absorption Spectroscopy | CO-01,03 |
| 3 | 27.08.22 | 18 | Atomic absorption Spectroscopy | |
| 4 | 02.09.22 | 19 | Nepheloturbidometry | |
| 5 | 02.09.22 | 20 | Nepheloturbidometry | |
| 6 | 03.09.22 | 21 | chromatography, Adsorption & Partition column chromatography | CO-02,04 |
| 7 | 09.09.22 | 22 | Adsorption & Partition column chromatography | |
| 8 | 09.09.22 | 23 | Adsorption & Partition column chromatography | |
| 9 | 10.09.22 | 24 | Thin layer chromatography | |
| 10 | 16.09.22 | 25 | Thin layer chromatography | |
| 11 | 16.09.22 | 26 | Paper chromatography | |
| 12 | 17.09.22 | 27 | Paper chromatography | CO-02,04 |
| 13 | 23.09.22 | 28 | Electrophoresis | |
| 14 | 23.09.22 | 29 | Electrophoresis | |
| 15 | 24.09.22 | 30 | Electrophoresis | |

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Attendance Sheet (Theory / Practical/Tutorial)

Class: Final Yr. B. Pharm

Subject: IMA

| Roll No. | Name of Student | Date | L.No. | | | | | | | | | | | | | | | | | | | | |
|----------|--------------------------|------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|
| | | | 01.07.22 | 01.07 | 02.07 | 08.07 | 08.07 | 09.07 | 05.08 | 05.08 | 06.08 | 12.08 | 12.08 | 13.08 | 19.08 | 19.08 | 20.08 | 26.08 | 26.08 | 27.08 | 02.09 | 02.09 | |
| 1-1 | PARDESHI NIKITA VINOD | | A | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 1-2 | PATEL MAYURI VASANT | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | |
| 1-3 | PATEL VAIBHAVI RAKESH | | 1 | 2 | 3 | A | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 1-4 | PATIL ADITYA VASANTRAO | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | |
| 1-5 | PATIL AISHWARYA PRAMOD | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | |
| 1-6 | PATIL AKSHADA KANTILAL | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | A | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 1-7 | PATIL ASHAY DEVENDRA | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | |
| 1-8 | PATIL CHETAN BHALCHANDR | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | |
| 1-9 | PATIL CHETAN DNYANESH | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | |
| 1-10 | PATIL DIPAK DHANRAJ | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | |
| 1-11 | PATIL DIPALI SOPAN | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | |
| 1-12 | PATIL DIVYA DIPAK | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | |
| 1-13 | PATIL GAURAV PRAKASH | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | |
| 1-14 | PATIL HARSHAL RAMCHANDR | | A | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | |
| 1-15 | PATIL HARSHAL SURESH | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | |
| 1-16 | PATIL HEMANT SANJAY | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | |
| 1-17 | PATIL JAGRUTI VIKAS | | 1 | 2 | 3 | 4 | A | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 1-18 | PATIL JAYESH RATILAL | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | |
| 1-19 | PATIL KUNAL DINESH | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | |
| 1-20 | PATIL MANOJ SURESH | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | |
| 1-21 | PATIL MAYURI SHARAD | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | |
| 1-22 | PATIL MAYURI VASANT | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | |
| 1-23 | PATIL MINAL NARESHRAO | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | |
| 1-24 | PATIL NIKITA PRAVIN | | A | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 5 | PATIL PALLAVI RAMKRISHNA | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | |
| 6 | PATIL PRAJAKTA DHARMENDR | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | |
| 7 | PATIL PRATIK GOKUL | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | |
| 8 | PATIL SAMADHAN SHIVAJI | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | |
| 9 | PATIL SUJIT RAJENDRA | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | A | 19 | 20 |
| 10 | PATIL SWATI YUVRAJ | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | |



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Lecture Detail

Month Jun - Jul. 2022

Week 01

From 27.06.2022

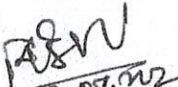
To 02.07.2022

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|--------------------|-------|---------|--------------------------|------------------|---|
| Monday / /20 | | | <u>References - IMAA</u> | | |
| | | | | | ① Kenneth A. Cornoss, A Text Book of Pharmaceutical Analysis - III Edition ② H. Villard, L. Merritte, J. Dear, F. Settle, Instrumental method of Analysis, VII th Edition |
| Tuesday / /20 | | | | | ③ Sanjay G. Walode, Chandan R.S., Instrumental method of Analysis, Nirali Prakashan 1st Edition |
| Wednesday / /20 | | | | | |





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| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|------------------------|------------------------------------|---------|-------------------------|--|------------|
| Thursday 07/07/2022 | Final Yr. | ITMA | UV visible spectroscopy | Introduction Electronic transition | 1, 2 |
| Friday 08/07/2022 | Final Yr. | ITMA | UV visible spectroscopy | Chromophores, Auxochromes, Spectral shift | 1, 2 |
| Saturday 09/07/2022 | Final Yr. | ITMA | UV visible spectroscopy | Solvents effect on absorption spectra Beer & Lamberts law | 1, 2 |
| Remarks | Lecture were conducted as per plan | | | | |


 02.07.22
 Sign. of Teacher




 Sign. of HOD / Vice Principal


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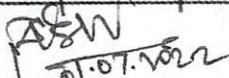

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Practical Plan (Batch wise)

| Class: final Y ₂ Subject: IMA | | Batch: D | |
|---|---|--|-------------|
| Number of practical as per syllabus: 15 | | Actual Number of practical conducted: 15 | |
| Sr. No. | Name of Experiment | Planned Date | Actual Date |
| 1 | To perform determination of absorption maxima & effect of solvent on absorption maxima. | 27.06.22 | 04.07.22 |
| 2 | To perform assay of paracetamol tablet by UV spectrophotometry. | 04.07.22 | 11.07.22 |
| 3 | To perform simultaneous estimation of Ibu. & para by UV spectroscopy. | 11.07.22 | 18.07.22 |
| 4 | To perform determination of sodium by flame photometry. | 18.07.22 | 25.07.22 |
| 5 | To perform determination of potassium by flame photometry. | 25.07.22 | 01.08.22 |
| 6 | Separation of amino acids by paper chromatography | 01.08.22 | 22.08.22 |
| 7 | Separation of amino acids by thin layer chromatography | 22.08.22 | 29.08.22 |
| 8 | Separation of sugars by paper chromatography | 29.08.22 | 05.09.22 |
| 9 | Separation of sugars by thin layer chromatography | 05.09.22 | 12.09.22 |
| 10 | Separation of plant pigments by column chromatography | 12.09.2022 | 26.09.22 |
| 11 | To perform demonstration of HPLC | 26.09.22 | 03.10.22 |
| 12 | To perform demonstration of Gas chromatography | 03.10.22 | 10.10.22 |
| 13 | To perform determination of chlorides by Nepheloturbidimetry | 10.10.22 | 17.10.22 |
| 14 | To perform estimation of quinine sulfate by Fluorimetry | 17.10.22 | 14.11.22 |
| 15 | To perform calibration of UV visible / FTIR spectrophotometer | 07.11.22 | 16.11.22 |
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Shri Amrishbhai R. Patel
M.L.A.

Principal :
Dr. S. B. Bari
M.Pharm. Ph.D., D.I.M.F.J.C.

CRITERIA: 1

CURRICULAR ASPECTS

SUMMARY

| Key Indicator: 1.1 | Curricular Planning and Implementation |
|--------------------|---|
| Metric No : 1.1.1 | The institution has a well-organized and documented approach for curriculum design and delivery that includes an academic calendar and ongoing internal assessment. |

LECTURE PLANNING AND DETAILS 2021 - 22

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2021-22

odd sem

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Lecture Planning (Teaching Plan)

Class: S.Y. (IIIrd Sem) Division A/B Subject: Pharmaceutical Microbiology (BP303)
Lectures Required as per the Syllabus 45

| Sr. No. | Date | Lecture No. | Topics Plan | Unit / Chapter Learning Outcome | |
|---------|----------------------|-------------|--|---------------------------------|-------|
| 1 | 02/09/21 06/09/21 | 01 | Introduction, history, branches of Microbiology | } CO1 | |
| 2 | 03/09/21 06/09/21 | 02 | Scope, Importance, Intro. to pro & eukaryotes | | |
| 3 | 04/09/21 07/09/21 | 03 | Study of ultrastructure of microorganisms | | |
| 4 | 09/09/21 13/09/21 | 04 | Study of morphological classification of bacteria | | |
| 5 | 16/09/21 13/09/21 | 05 | Nutritional requirements raw material used for C-media | | |
| 6 | 17/09/21 19/09/21 | 06 | Physical parameters for growth, Growth curve. | | |
| 7 | 18/09/21 20/09/21 | 07 | Isolation & preservation method of pure culture, culture | | |
| 8 | 23/09/21 20/09/21 | 08 | Quantitative measurement of bacterial growth | | |
| 9 | 24/09/21 21/09/21 | 09 | Study of microscopy used in microbiology | | |
| 10 | 25/09/21 27/09/21 | 10 | Quantitative measurement of bacterial growth | | |
| 11 | 30/09/21 27/09/21 | 11 | staining techniques | | } CO1 |
| 12 | 01/10/21 28/09/21 | 12 | staining techniques | | |
| 13 | 07/10/21 04/10/21 | 13 | Biochemical tests (IMViC) | | |
| 14 | 08/10/21 04/10/21 | 14 | sterilization techniques | | } CO2 |
| 15 | 09/10/21 05/10/21 | 15 | sterilization techniques | | |

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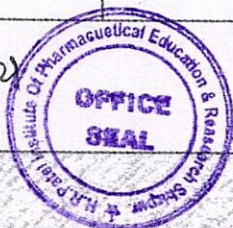
Lecture Planning (Teaching Plan)

Class: _____ Division: _____ Subject: _____

Lectures Required as per the Syllabus

| Sr. No. | Date | Lecture No. | Topics Plan | Unit / Chapter Learning Outcome |
|---------|----------------------|-------------|--|---------------------------------|
| 1 | 14/10/21 11/10/21 | 16 | sterilization techniques | CO1 |
| 2 | 16/10/21 11/10/21 | 17 | study of morphology & classification of fungi | } CO1 |
| 3 | 21/10/21 14/10/21 | 18 | Reproduction, replication & cultivation of fungi | |
| 4 | 24/10/21 18/10/21 | 19 | Study of morphology & classification of viruses | |
| 5 | 23/10/21 18/10/21 | 20 | Reproduction, replication & cultivation of viruses | |
| 6 | 30/10/21 17/11/21 | 21 | Classification & mode of action of disinfectants | |
| 7 | 11/11/21 15/11/21 | 22 | Factors influencing disinfectants | |
| 8 | 14/11/21 16/11/21 | 23 | Antiseptics & their evaluation | |
| 9 | 13/11/21 24/11/21 | 24 | Evaluation of bactericidal & bacteriostatic | |
| 10 | 20/11/21 24/11/21 | 25 | Sterility testing of pharmaceutical products | } CO2 & CO3 |
| 11 | 25/11/21 23/11/21 | 26 | Sterility testing of pharmaceutical products | |
| 12 | 26/11/21 29/11/21 | 27 | Evaluation of efficiency of sterilization | |
| 13 | 27/11/21 29/11/21 | 28 | evaluation of efficiency of sterilization | |
| 14 | 02/12/21 30/11/21 | 29 | equipments employed in large scale sterilization | |
| 15 | 03/12/21 06/12/21 | 30 | sterility indicators | |

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Lecture Planning (Teaching Plan)

Class: _____ Division: _____ Subject: _____

Lectures Required as per the Syllabus

| Sr. No. | Date | Lecture No. | Topics Plan | Unit / Chapter Learning Outcome |
|---------|----------------------|-------------|--|---------------------------------|
| 1 | 04/12/22 13/12/22 | 31 | Designing of aseptic area | } CO2 & CO3 |
| 2 | 16/12/22 13/12/22 | 32 | Laminar flow equipments | |
| 3 | 17/12/22 14/12/22 | 33 | Study of different sources of contamination & preservation | |
| 4 | 18/12/22 20/12/22 | 34 | Clean area classification | |
| 5 | 23/12/22 20/12/22 | 35 | Principles & methods of different microbiological assay | } CO4 |
| 6 | 24/12/22 21/12/22 | 36 | Methods for standardization of antibiotics | |
| 7 | 30/12/22 27/12/22 | 37 | Methods for standardization of vitamins & amino acids | |
| 8 | 31/12/22 27/12/22 | 38 | Assessment of a new antibiotics | |
| 9 | 01/01/22 28/12/22 | 39 | Types of spoilage | } CO3 |
| 10 | 06/01/22 03/01/22 | 40 | Factors affecting microbial spoilage | |
| 11 | 07/01/22 03/01/22 | 41 | Sources & types of microbial contaminants | |
| 12 | 08/01/22 04/01/22 | 42 | Assessment of microbial contamination & spoilage | |
| 13 | 13/01/22 11/01/22 | 43 | Preservation of pharmaceutical products | } CO5 |
| 14 | 14/01/22 17/01/22 | 44 | Animal cell culture | |
| 15 | 15/01/22 17/01/22 | 45 | Applications of animal cell culture | |

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Attendance Sheet (Theory / Practical/Tutorial) Pharmaceutical

Class: S.Y.B. Pharm (A Division)

Subject: Microbiology (P)

| Roll No. | Name of Student | Date | 2023 | | | | | | | | | | | | | | | | | | | | |
|----------|-----------------------|------|------|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|
| | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | |
| 1 | Bairagi Vaishnavi T. | | A | 1 | 2 | 3 | 4 | 5 | 6 | A | 7 | A | A | A | 8 | 9 | 10 | 11 | 12 | 13 | 14 | A | |
| 2 | Banjara Raj P | | A | A | 1 | A | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | B | 14 | 15 | 16 | 17 | |
| 3 | Bhamare Roshani V. | | A | A | A | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | B | A | 14 | 15 | 16 | A |
| 4 | Bharti Krishna B. | | A | A | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | B | A | 14 | 15 | 16 | 17 | A |
| 5 | Bhavsar Chaitanya A | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | A | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | A | 16 | 17 | 18 | A |
| 6 | Bodade Chaitanya G | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | A | 8 | A | A | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | A |
| 7 | Borse Harshvardhan V | | A | A | 1 | 2 | 3 | 4 | 5 | A | 6 | 7 | 8 | 9 | 10 | 11 | A | 12 | 13 | 14 | A | 15 | 16 |
| 8 | Chandhari Bhumi K. | | A | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | A | A | A | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | A |
| 9 | Chandhari Harshali P. | | A | 1 | 2 | 3 | 4 | A | 5 | 6 | 7 | A | 8 | 9 | 10 | A | A | 11 | 12 | A | 13 | 14 | 15 |
| 10 | Chavan Pradip S. | | A | A | 1 | 2 | 3 | 4 | 5 | A | 6 | 7 | 8 | A | A | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 11 | Desale Pratul R. | | A | 1 | 2 | 3 | 4 | 5 | 6 | A | A | 7 | 8 | 9 | 10 | 11 | A | 12 | B | 14 | 15 | 16 | A |
| 12 | Dhundat Kadambis S. | | A | A | 1 | 2 | A | 3 | 4 | A | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | A |
| 13 | Gangurde Tejas A | | A | A | 1 | 2 | 3 | 4 | 5 | A | A | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | A |
| 14 | Hire Sudarshan B. | | A | A | 1 | 2 | 3 | 4 | 5 | A | 6 | A | 7 | 8 | 9 | 10 | 11 | A | 12 | 13 | 14 | A | 15 |
| 15 | Jadhav Ishwar Chandra | | A | 1 | 2 | 3 | 4 | 5 | 6 | A | 7 | 8 | 9 | A | 10 | 11 | A | 12 | 13 | 14 | A | 15 | 16 |
| 16 | Jadhav Jyotsna N. | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | A |
| 17 | Jadhav Sagar K. | | A | 1 | 2 | 3 | 4 | 5 | 6 | A | A | 7 | 8 | A | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | A |
| 18 | Jadhav Yogesh G. | | A | A | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | A | A | 9 | 10 | 11 | A | 12 | 13 | 14 | 15 | 16 |
| 19 | Khoslegade Disha P. | | A | 1 | 2 | 3 | 4 | 5 | 6 | A | 7 | A | 8 | 9 | 10 | 11 | 12 | B | 14 | 15 | 16 | 17 | A |
| 20 | Kolapkar Pratik U. | | A | A | 1 | 2 | 3 | 4 | 5 | A | A | 6 | 7 | 8 | 9 | 10 | 11 | 12 | A | B | 14 | 15 | 16 |
| 21 | Korde Ganji M. | | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A |
| 22 | Kshirsagar Gaurav R. | | A | 1 | 2 | 3 | 4 | 5 | 6 | A | A | A | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | A |
| 23 | Magar Nandini D. | | A | 1 | 2 | 3 | 4 | 5 | 6 | A | 7 | A | 8 | 9 | A | 10 | 11 | 12 | A | 13 | 14 | 15 | 16 |
| 24 | Mali Bhupesh S. | | A | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | A | A | A | 12 | B | 14 | 15 | 16 | A |
| 25 | Mali Ritika J. | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | A | 16 | 17 | 18 | 19 | A |
| 26 | Patil Bhakti K. | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | A |
| 27 | Patil Darpan S. | | A | A | 1 | 2 | 3 | 4 | 5 | A | 6 | A | 7 | 8 | 9 | 10 | 11 | A | A | 12 | 13 | 14 | 15 |
| 28 | Patil Megha M. | | A | A | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | A | A | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| 29 | Patil Nikita M. | | A | 1 | 2 | 3 | 4 | 5 | 6 | A | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| 30 | Patil Nisha G. | | A | 1 | 2 | 3 | 4 | 5 | 6 | 7 | A | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |



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Lecture Detail

Month Sep Week 01 From 02/09/21 To 04/09/21

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|-----------------------------|--------------------------------|--|---|---------------------------------------|--|
| Monday 1/20 | | | Reference books for pharmaceutical microbiology ① C. K. Kokate, Pharmaceutical Microbiology (Including practical), 1st edition, 2008, Nirali ② Kuntal Das, Pharmaceutical Microbiology, first edition, Nirali Prakashan, Pune. ③ P. Pawar, V. Japre, S. Nimargi, pharmaceutical Microbiology, 1st edition, Technical Publications, Pune. | | |
| Tuesday 1/20 02/09/21 | S.Y. B. Pharm A Division | Pharmaceuti- cal Microbiology (P.M) | Introduction, history, branches of microbiology | Intro, history, branches. | Ref 1 (1.1-1.20) Ref 2 (1.1-1.52) Ref 3 (1.1-1.87) |
| Wednesday 03/09/21 | — | — | Scope & importance. Intro. to pro & eukaryotes. | Scope, importance pro & eukaryotes | — |
| 1/20 04/09/21 | — | — | Study of ultrastructural microorganisms | Ultrastructure of microorganisms | Ref 1 (2.1-2.28) Ref 2 (1.1-1.52) Ref 3 (1.1-1.87) |

MJ
04/09/21



MJ
04/09/21
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Practical Plan (Batch wise)

| Class: S.Y.B. Subject: Pharmaceutical Microbiology | | Batch: B | |
|--|---|---------------------------------------|-------------|
| Number of practical as per syllabus: | | Actual Number of practical conducted: | |
| Sr. No. | Name of Experiment | Planned Date | Actual Date |
| 1 | To study compound microscope | 03/09/24 | 03/09/24 |
| 2 | Introduction to various laboratory equipments | 17/09/24 | 17/09/24 |
| 3 | To prepare 100ml laboratory media | 23/09/24 | 23/09/24 |
| 4 | To study air microbial flora | 24/09/24 | 24/09/24 |
| 5 | To perform sterility testing of marketed sterile preparations | 01/10/24 | 01/10/24 |
| 6 | To study preparation of stab & slant | 06/10/24 | 06/10/24 |
| 7 | To study isolate pure culture by streak plate method | 08/10/24 | 08/10/24 |
| 8 | First practical sessional examination | 24/10/24 | 24/10/24 |
| 9 | To isolate pure culture by pour plate method | 29/10/24 | 29/10/24 |
| 10 | To isolate pure culture by spread plate method | 05/11/24 | 05/11/24 |
| 11 | To study bacterial morphology by simple staining | 12/11/24 | 12/11/24 |
| 12 | To study Gram staining of given bacterial suspension | 18/11/24 | 18/11/24 |
| 13 | To study acid fast staining of given bacterial suspension | 26/11/24 | 26/11/24 |
| 14 | Second practical sessional exam | 03/12/24 | 03/12/24 |
| 15 | To study motility of bacteria by hanging drop method | 17/12/24 | 17/12/24 |

Sign. of Teacher



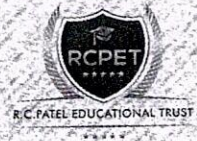
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Lecture Planning (Teaching Plan)


Class: Final Year B-Pharm Division — Subject: QCSH

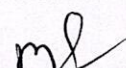
Lectures Required as per the Syllabus

| Sr. No. | Date | Lecture No. | Topics Plan | Unit / Chapter Learning Outcome |
|---------|----------|-------------|------------------------------|---------------------------------|
| 1 | 07/04/22 | 31 | Stability testing | } CO 2 |
| 2 | 08/04/22 | 32 | Chromatographic applications | |
| 3 | 09/04/22 | 33 | Standardization | |
| 4 | 21/04/22 | 34 | NDA & export registration | |
| 5 | 24/04/22 | 35 | GMP requirements | |
| 6 | 23/04/22 | 36 | D & C act provisions | |
| 7 | 28/04/22 | 37 | D & C act provision | |
| 8 | 29/04/22 | 38 | D & C act provisions | |
| 9 | 30/04/22 | 39 | Regulatory requirements | } CO 3 |
| 10 | 14/05/22 | 40 | WHO guidelines - Safety | |
| 11 | 13/05/22 | 41 | Safety monitoring | |
| 12 | 14/05/22 | 42 | Herbal pharmacopoeias | |
| 13 | 11/05/22 | 43 | Chemical markers | |
| 14 | 20/05/22 | 44 | Biological markers | |
| 15 | 21/05/22 | 45 | Standardization | |

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Attendance Sheet (Theory / Practical/Tutorial)

Class: Final Year (VIIIth Sem) B. Pharm

Subject: Quality Control & Standardization of Herbs (ACS)

| Roll No. | Name of Student | Date | Attendance | | | | | | | | | | | | | | | | | | | |
|----------|-------------------------|--------|------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|
| | | | L.No. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| 1 | Agawal Darshan V. | 27 Jan | 1 | 2 | 3 | A | 4 | 5 | 6 | 7 | 8 | 9 | 10 | A | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 2 | Ahire Gaurav V. | 28 Jan | 1 | 2 | 3 | 4 | 5 | 6 | A | 7 | 8 | 9 | 10 | 11 | 12 | 13 | A | 14 | 15 | 16 | 17 | 18 |
| 3 | Badgjar Saurabh S. | 29 Jan | 1 | 2 | 3 | A | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| 4 | Badgjar Suvarna A. | 03 Feb | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | A | A | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 5 | Badhan Bhushan V. | 04 Feb | A | A | A | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | A | 9 | 10 | 11 | 12 | A | 13 | 14 | 15 |
| 6 | Chandhari Jidnyasa A. | 05 Feb | 1 | 2 | 3 | 4 | 5 | A | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | A | 17 | 18 |
| 7 | Chandhari Mangesh D. | 06 Feb | A | A | A | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | A | 11 | 12 | 13 | 14 | 15 | 16 |
| 8 | Chandhari Nikita S. | 10 Feb | 1 | 2 | 3 | 4 | 5 | 6 | A | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| 9 | Chandhari Pranali R. | 11 Feb | 1 | 2 | 3 | A | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | A | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 10 | Chandhari Twinkle A. | 12 Feb | 1 | 2 | 3 | 4 | 5 | 6 | A | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | A | 15 | 16 | 17 | 18 |
| 11 | Chandhari Vishal S. | 13 Feb | 1 | 2 | 3 | 4 | A | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| 12 | Dusing Rushikesh V. | 14 Feb | 1 | 2 | A | 3 | 4 | 5 | 6 | 7 | 8 | 9 | A | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 13 | Girase Rushikesh M. | 15 Feb | 1 | 2 | 3 | 4 | 5 | A | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| 14 | Jagtap Bhushan M. | 16 Feb | A | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | A |
| 15 | Kapade Mayur V. | 17 Feb | 1 | 2 | 3 | A | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | A |
| 16 | Khan Atique K.G. | 18 Feb | A | A | A | 1 | 2 | 3 | 4 | 5 | A | 6 | 7 | 8 | 9 | 10 | 11 | A | 12 | 13 | 14 | 15 |
| 17 | Kenturwar Parimal R. | 19 Feb | A | A | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | A | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| 18 | Kothari Darshan V. | 20 Feb | 1 | 2 | 3 | 4 | 5 | 6 | A | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | A | 17 | 18 |
| 19 | Kothari Rishika B. | 21 Feb | 1 | 2 | 3 | 4 | 5 | 6 | 7 | A | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | A | A |
| 20 | Kothawade Sayali R. | 22 Feb | 1 | 2 | 3 | A | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| 21 | Kureshi Umee M. | 23 Feb | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | A | 10 | 11 | 12 | 13 | 14 | 15 | 16 | A | 17 | 18 |
| 22 | Lasurkar Kalyani B. | 24 Feb | A | A | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | A | 15 | 16 | 17 |
| 23 | Lodha Suyash S. | 25 Feb | 1 | 2 | 3 | 4 | A | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| 24 | Mahajan Prashant R. | 26 Feb | 1 | 2 | 3 | 4 | 5 | 6 | 7 | A | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| 25 | Mahajan Rohit B. | 27 Feb | A | A | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | A | 14 | 15 | 16 | 17 |
| 26 | Mahajan Smriti B.P. | 28 Feb | A | A | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | A | A | A | 11 | 12 | 13 | 14 | 15 |
| 27 | Mahale Bhupendrasing P. | 29 Feb | A | A | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | A | 15 | 16 | 17 |
| 28 | Mali Harshal R. | 03 Mar | A | A | 1 | 2 | 3 | 4 | 5 | A | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | A |
| 29 | Mali Yogeshwar H. | 04 Mar | A | A | A | 1 | 2 | 3 | 4 | 5 | 6 | 7 | A | 8 | 9 | 10 | 11 | A | 12 | 13 | 14 | 15 |
| 30 | Nayte Vaishnavi D. | 05 Mar | A | A | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | A | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |



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Lecture Detail

Month Sep Jan Week 01 From 24/01/22 To 29/01/22

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|-----------------------|--|---|---|---------------------------|---|
| | | | References books for Pharmacognosy & Phytochemistry-I | | |
| 24/01/22 Monday | | | | | 1) C.K. Kokate, A.P. Purohit, S.B. Gokhale, Pharmacognosy, Nirali Prakashan, Pune, 49th edition 2) Dr. Kuntal Das, Pharmacognosy & Phytochemistry-I, 1st edition, Nirali Prakashan, Pune |
| 25/01/2022 | | | | | 3) Padmini Shukla, Shashi Alok, Parabodh Shukla, Phytochemistry & Pharmacognosy-I, Nirali, 1st edition |
| 26/01/22 Tuesday | | | | | |
| 27/01/2022 | Final Year B.Pharm (VII th Sem) | Quality Control & Standardization of Herbals (QCSH) | Basic tests of drugs - Introduction, objective | Introduction & objectives | Internet search pdf, ppt |
| 28/01/22 Wednesday | — | — | Pharmaceutical substance | Pharmaceutical substance | — |
| 29/01/2022 | — | — | Medicinal plant material | Medicinal plant material | — |

Mf 29.01



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Mf 29.01.22



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Lecture Planning (Teaching Plan)

Class: Final Year B.Pharm Division — Subject: Quality Control & Standardization of Herbals (QCSH)
Lectures Required as per the Syllabus 45

| Sr. No. | Date | Lecture No. | Topics Plan | Unit / Chapter Learning Outcome |
|---------|----------|-------------|--|---------------------------------|
| 1 | 27/01/22 | 01 | Basic tests of drugs - Introduction, Objective | } CO 1 |
| 2 | 28/01/22 | 02 | Pharmaceutical substance | |
| 3 | 29/01/22 | 03 | Medicinal plant material | |
| 4 | 03/02/22 | 04 | Dosage forms | |
| 5 | 04/02/22 | 05 | Quality control - physical, | |
| 6 | 05/02/22 | 06 | Chemical parameters | |
| 7 | 10/02/22 | 07 | Microscopical parameters | |
| 8 | 11/02/22 | 08 | Pesticides & Heavy metals | |
| 9 | 14/02/22 | 09 | Kalmegh (Commercial) | |
| 10 | 17/02/22 | 10 | Gotham (Commercial) | |
| 11 | 18/02/22 | 11 | Quality assurance - Introduction | } CO 2 |
| 12 | 19/02/22 | 12 | GMP | |
| 13 | 24/02/22 | 13 | cGMP | |
| 14 | 25/02/22 | 14 | GAP | |
| 15 | 26/02/22 | 15 | GDP | |

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Lecture Planning (Teaching Plan)

Class: First Year B. Pharm Division — Subject: QCSH

Lectures Required as per the Syllabus

| Sr. No. | Date | Lecture No. | Topics Plan | Unit / Chapter Learning Outcome |
|---------|----------|-------------|------------------------|---------------------------------|
| 1 | 03/03/22 | 16 | WHO cGMP | CO2 |
| 2 | 04/03/22 | 17 | WHO cGMP | |
| 3 | 05/03/22 | 18 | GACP | |
| 4 | 10/03/22 | 19 | GACP | |
| 5 | 11/03/22 | 20 | EU Guidelines | CO4 |
| 6 | 12/03/22 | 21 | EU guidelines | |
| 7 | 17/03/22 | 22 | EU guidelines | |
| 8 | 18/03/22 | 23 | ICH guidelines | |
| 9 | 19/03/22 | 24 | ICH guidelines | |
| 10 | 24/03/22 | 25 | ICH guidelines | |
| 11 | 25/03/22 | 26 | Research guidelines | |
| 12 | 26/03/22 | 27 | Safety & efficacy | |
| 13 | 31/03/22 | 28 | Clinical trials | |
| 14 | 01/04/22 | 29 | protocols | |
| 15 | 02/04/22 | 30 | ethical considerations | |

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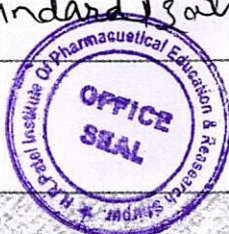
Lecture Planning (Teaching Plan)

Class: Final Year B. Pharm Division Subject: QCSH

Lectures Required as per the Syllabus

| Sr. No. | Date | Lecture No. | Topics Plan | Unit / Chapter Learning Outcome |
|---------|----------|-------------|------------------------------|---------------------------------|
| 1 | 07/04/22 | 31 | Stability testing | } CO 2 |
| 2 | 08/04/22 | 32 | Chromatographic applications | |
| 3 | 09/04/22 | 33 | Standardization | |
| 4 | 21/04/22 | 34 | NDA & export registration | |
| 5 | 21/04/22 | 35 | GMP requirements | |
| 6 | 23/04/22 | 36 | D & C act provisions | |
| 7 | 28/04/22 | 37 | D & C act provision | |
| 8 | 29/04/22 | 38 | D & C act provisions | |
| 9 | 30/04/22 | 39 | Regulatory requirements | |
| 10 | 14/05/22 | 40 | WHO guidelines - Safety | |
| 11 | 13/05/22 | 41 | Safety monitoring | |
| 12 | 14/05/22 | 42 | Herbal pharmacopoeias | |
| 13 | 11/05/22 | 43 | Chemical markers | |
| 14 | 20/05/22 | 44 | Biological markers | |
| 15 | 21/05/22 | 45 | Standardisation | |

[Signature]
Sign. of Teacher



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[Signature]
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**THE SHIRPUR EDUCATION SOCIETY
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Attendance Sheet (Theory / Practical/Tutorial)

Class: Final Year (VIIIth Sem) B. Pharm

Quality control &
Subject: Standardization of
Hurd (QCS)

| Roll No. | Name of Student | Date | Date | | | | | | | | | | | | | | | | | | | |
|----------|-------------------------|-------|--------|----|----|--------|----|----|----|----|----|----|----|----|----|----|----|--------|----|----|----|----|
| | | | 27 Jan | 28 | 29 | 03 Feb | 04 | 05 | 06 | 10 | 11 | 12 | 17 | 18 | 23 | 26 | 27 | 03 Mar | 04 | 05 | 10 | 11 |
| | | L.No. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 1 | Agawal Darshan V. | | 1 | 2 | 3 | A | 4 | 5 | 6 | 7 | 8 | 9 | 10 | A | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 2 | Ahire Gaurav V. | | 1 | 2 | 3 | 4 | 5 | 6 | A | 7 | 8 | 9 | 10 | 11 | 12 | 13 | A | 14 | 15 | 16 | 17 | 18 |
| 3 | Badgjar Saurabh S. | | 1 | 2 | 3 | A | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | B | 14 | 15 | 16 | 17 | 18 | 19 |
| 4 | Badgjar Suvarna A. | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | A | A | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 5 | Badhan Bhushan V. | | A | A | A | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | A | 9 | 10 | 11 | 12 | A | 13 | 14 | 15 |
| 6 | Chandhari Jidnyasa A. | | 1 | 2 | 3 | 4 | 5 | A | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | A | 17 | 18 |
| 7 | Chandhari Mangesh D. | | A | A | A | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | A | 11 | 12 | 13 | 14 | 15 | 16 |
| 8 | Chandhari Nikita S. | | 1 | 2 | 3 | 4 | 5 | 6 | A | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| 9 | Chandhari Pranali R. | | 1 | 2 | 3 | A | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | A | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 10 | Chandhari Twinkle A. | | 1 | 2 | 3 | 4 | 5 | 6 | A | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | A | 15 | 16 | 17 | 18 |
| 11 | Chandhari Vishal S. | | 1 | 2 | 3 | 4 | A | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| 12 | Dusing Rushikesh V. | | 1 | 2 | A | 3 | 4 | 5 | 6 | 7 | 8 | 9 | A | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 13 | Girase Rushikesh M. | | 1 | 2 | 3 | 4 | 5 | A | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| 14 | Jagtap Bhushan M. | | A | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | A |
| 15 | Kapade Mayur V. | | 1 | 2 | 3 | A | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | A |
| 16 | Khan Atique K.G. | | A | A | A | 1 | 2 | 3 | 4 | 5 | A | 6 | 7 | 8 | 9 | 10 | 11 | A | 12 | 13 | 14 | 15 |
| 17 | Konturwar Parimal R. | | A | A | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | A | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| 18 | Kothari Darshan V. | | 1 | 2 | 3 | 4 | 5 | 6 | A | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | A | 17 | 18 |
| 19 | Kothari Rishika B. | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | A | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | A | A |
| 20 | Kothawade Sayali R. | | 1 | 2 | 3 | A | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| 21 | Kureshi Umee M. | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | A | 10 | 11 | 12 | 13 | 14 | 15 | 16 | A | 17 | 18 |
| 22 | Lasurkar Kalyani B. | | A | A | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | A | 15 | 16 | 17 |
| 23 | Lodha Suyash S. | | 1 | 2 | 3 | 4 | A | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| 24 | Mahajan Prashant R. | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | A | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| 25 | Mahajan Rohit B. | | A | A | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | A | 14 | 15 | 16 | 17 |
| 26 | Mahajan Smriti B.P. | | A | A | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | A | A | A | 11 | 12 | 13 | 14 | 15 |
| 27 | Mahale Bhupendrasing P. | | A | A | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | A | 15 | 16 | 17 |
| 28 | Mali Harshal R. | | A | A | 1 | 2 | 3 | 4 | 5 | A | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | A |
| 29 | Mali Yogeshwar H. | | A | A | 1 | 2 | 3 | 4 | 5 | 6 | 7 | A | 8 | 9 | 10 | 11 | A | 12 | 13 | 14 | 15 | A |
| 30 | Nayte Vaibhavi D. | | A | A | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | A | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |



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President :
Shri Amrishbhai R. Patel
M.L.A.

Principal :
Dr. S. B. Bari
M.Pharm. Ph.D., D.I.M.F.J.C.

CRITERIA: 1

CURRICULAR ASPECTS

SUMMARY

| Key Indicator: 1.1 | Curricular Planning and Implementation |
|--------------------|---|
| Metric No : 1.1.1 | The institution has a well-organized and documented approach for curriculum design and delivery that includes an academic calendar and ongoing internal assessment. |

LECTURE PLANNING AND DETAILS 2020 - 21



**THE SHIRPUR EDUCATION SOCIETY
R. C. PATEL EDUCATIONAL TRUST**

2020-21



Lecture Planning (Teaching Plan)

ss: Final Year Division - Subject: Pharmacy Practice
 tures Required as per the Syllabus - 45

| Date | Lecture No. | Topics Plan | Unit / Chapter Learning Outcome |
|------------|-------------|---|---------------------------------|
| 26-06-2020 | 01 | Definition and classification of hospital with organization | CO-1 |
| 26-06-2020 | 02 | Medical staff of hospital with its functions | CO-1 |
| 27-06-2020 | 03 | Hospital pharmacy organization and staff requirements | CO-1 |
| 32-07-2020 | 04 | Responsibilities and functions of hospital pharmacist | CO-1 |
| 03-07-2020 | 05 | Definition and classification of ADR, idiosyncrasy | CO-1 |
| 03-07-2020 | 06 | Drug interactions:- Pharmacokinetics / Pharmacodynamics | CO-1 |
| 04-07-2020 | 07 | Detection methods for ADR ADR reporting & management | CO-1 |
| 09-07-2020 | 08 | organization of retail / wholesale community pharmacy | CO-1 |
| 05-07-2020 | 09 | dispensing of medicines by store | CO-1 |
| 06-07-2020 | 10 | Record maintenance for both wholesale / Retail drug store | CO-1 |
| 07-07-2020 | 11 | Distribution system of hospital | CO-2 |
| 08-07-2020 | 12 | Dispensing to ambulatory patient Dispensing of controlled system | CO-2 |
| 03-07-2020 | 13 | Hospital formulary content and differentiation | CO-2 |
| 05-07-2020 | 14 | Addition, Deletion and revision of hospital formulary. | CO-2 |
| 07-07-2020 | 15 | Need and factors for TDM | CO-2 |

Sr No
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PBB
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26/07/21
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Lecture Planning (Teaching Plan)

Class: _____ Division: _____ Subject: _____

Lectures Required as per the Syllabus

| Sr. No. | Date | Lecture No. | Topics Plan | Unit / Chapter Learning Outcome |
|---------|------------|-------------|---|---------------------------------|
| 1 | 30-07-2020 | 16 | Indian scenario for TDM | CO-2 |
| 2 | 31-07-2020 | 17 | Causes of medication adherence | CO-2 |
| 3 | 06-08-2020 | 18 | Role of pharmacist and monitoring of M. adherence. | CO-2 |
| 4 | 07-08-2020 | 19 | Patient medication history | CO-2 |
| 5 | 08-08-2020 | 20 | Community play management. | CO-2 |
| 6 | 13-08-2020 | 21 | PTE: → 1) organization 2) functions | CO-3 |
| 7 | 14-08-2020 | 22 | 1) Automatic stop order 2) Emergency drug list prep? | CO-3 |
| 8 | 20-08-2020 | 23 | DIC and its sources PIC and its sources | CO-3 |
| 9 | 21-08-2020 | 24 | Computerized system Storage & Retrieval of information | CO-3 |
| 10 | 29-08-2020 | 25 | Patient counselling Special cases for pleist | CO-3 |
| 11 | 03-09-2020 | 26 | Steps of patient counselling | CO-3 |
| 12 | 02-09-2020 | 27 | Education and training programme in hospital | CO-3 |
| 13 | 05-09-2020 | 28 | Pharmacist role in interdepartmental communication. | CO-3 |
| 14 | 16-09-2020 | 29 | Prescribed medication order | CO-3 |
| 15 | 11-09-2020 | 30 | Communication skills. | CO-3 |

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Lecture Planning (Teaching Plan)

Class: _____ Division: _____ Subject: _____

Lectures Required as per the Syllabus

| Sr. No. | Date | Lecture No. | Topics Plan | Unit / Chapter Learning Outcome |
|---------|------------|-------------|--|---------------------------------|
| 1 | 12-09-2020 | 31 | Budget prep'n content | CO-4 |
| 2 | 17-09-2020 | 32 | Budget implementation | CO-4 |
| 3 | 18-09-2020 | 33 | clinical pharmacy: - 1) Functions & responsibilities | CO-4 |
| 4 | 19-09-2020 | 34 | Drug therapy monitoring | CO-4 |
| 5 | 21-09-2020 | 35 | Dosing pattern & disease pattern | CO-4 |
| 6 | 25-09-2020 | 36 | OTC introduction | CO-4 |
| 7 | 26-09-2020 | 37 | Sale of OTC as concept | CO-4 |
| 8 | 01-10-2020 | 38 | Rationale use of OTC | CO-4 |
| 9 | 03-10-2020 | 39 | Drug store organization | CO-5 |
| 10 | 09-10-2020 | 40 | Economic order quantity | CO-5 |
| 11 | 10-10-2020 | 41 | Reorder quantity level Methods for analysis for D. exp. | CO-5 |
| 12 | 15-10-2020 | 42 | Investigation use of drugs | CO-5 |
| 13 | 16-10-2020 | 43 | classification and control of IND. | CO-5 |
| 14 | 17-10-2020 | 44 | Pharmacist role in pharmacist hospital Advisory Committee | CO-5 |
| 15 | 22-10-2020 | 45 | clinical laboratory tests | CO-5 |

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PSB

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Tutorial is marked as "T"
Lecture 1-46

Lecture = 71
Tutorial = 45
86



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Attendance Sheet (Theory / Practical/Tutorial)

Class: Final Year B.Pharm

Subject: PP (CBP703T)

| Roll No. | Name of Student | Date | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------|-----------------------|------|-------|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| | | | L.No. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | | | | |
| 01 | Amrutkar Rohit R. | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | | | | | |
| 02 | Baviskar Aniket R. | | A | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | A | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | | | |
| 03 | Bhadane Supriya V. | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | A | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | | | | |
| 04 | Barse Gunvant A. | | 1 | A | A | 2 | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | | |
| 05 | Barse Praful P. | | 1 | 2 | 3 | A | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | A | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 06 | Barse Vishwajeet S. | | A | 1 | 2 | A | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | | |
| 07 | Chaudhari Minakshi R. | | 1 | 2 | 3 | A | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | |
| 08 | Chavan Pushpak N. | | A | 1 | 2 | A | 1 | 3 | 4 | 5 | 6 | 7 | A | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | |
| 09 | Chardiya Anjali S. | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | A | 14 | 15 | 16 | 17 | 18 | 19 | 20 | | | | |
| 10 | Deokar Saurav S. | | A | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | | | | |
| 11 | Dhake Nikita U. | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | | | | | |
| 12 | Dhanwani Harsha M. | | 1 | 2 | 3 | A | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | |
| 13 | Gawande Shivaji S. | | 1 | A | 2 | 3 | 4 | 5 | A | 2 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | | |
| 14 | Gawande Mayur B. | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | A | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | | | | |
| 15 | Girase Mahesh B. | | A | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | | | | |
| 16 | Hire Rahul S. | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | | | | | |
| 17 | Jadhav Mayuri S. | | 1 | 2 | A | A | A | 3 | 4 | A | 1 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 18 | Jain Gunjan A. | | A | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | | | | |
| 19 | Kekan Gakal S. | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | A | 14 | 15 | 16 | 17 | 18 | 19 | 20 | | | | |
| 20 | Khodke Monika A. | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | | | | | |
| 21 | Lodhe Mangesh D. | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | | | | | |
| 22 | Mahajan Praful R. | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | A | A | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | | | |
| 23 | Mahajan Priya R. | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | | | | | |
| 24 | Mahajan Rupali R. | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | | | | | |
| 25 | Mansuri faizan A.A. | | A | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | | | | |
| 26 | Mawade Nachiket V. | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | A | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | | | | |
| 27 | Nagote Kiran D. | | A | 1 | 2 | A | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | | |
| 28 | Naik Abshiek J. | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | | | | | |
| 29 | Nalawade Trupti R. | | A | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | | | | |
| 30 | Nayak Nitesh D. | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | A | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | | | | |



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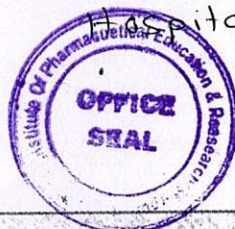
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Lecture Detail

Month Feb June Week One From 01-02-2020 To 07-02-2021
22-06-2020 28-06-2020

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|-------------------------|------------|-------------------|--|--|------------------|
| Monday 25/06/2020 | Final year | Pharmacy Practice | - | - | - |
| Tuesday 26/06/2020 | Final year | P.P | 1] Hospital organization 2] Medical staff of hospital | 1] Defn of hospital 2] Classification of hospital 3] Medical staff and their functions | Reference No-1,2 |
| Wednesday 27/06/2020 | Final year | P.P | Hospital Pharmacy | 1] organization 2] Staff requirements | Reference 1,2 |



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Practical Plan (Batch wise)

| Class: T-Y Subject: Pharmacology-II (BPSOAP) | | Batch: A | |
|---|---|--|-------------|
| Number of practical as per syllabus: 15 | | Actual Number of practical conducted: 15 | |
| Sr. No. | Name of Experiment | Planned Date | Actual Date |
| 1 | Introduction to invitro pharmacology & PSS | 22-8-2020 | 29-08-2020 |
| 2 | Effect of drugs on isolated frog heart | 29-8-2020 | 12-9-2020 |
| 3 | Effect of drugs on blood pressure & HR | 05-09-2020 | 19-9-2020 |
| 4 | Study of diuretic activity using rat/mice | 12-09-2020 | 26-09-2020 |
| 5 | Effect of Ach using frog rectus abdom. muscle | 19-09-2020 | 3-10-2020 |
| 6 | Effect of phystostigmine & Atropine on DRC of Ach | 26-09-2020 | 10-10-2020 |
| 7 | Bioassay of Histamine using Guinea pig ileum (matching) | 03-10-2020 | 17-10-2020 |
| 8 | Bioassay of Oxytocin using rat uterine horn. (contraction) | 10-10-2020 | 24-10-2020 |
| 9 | Bioassay of Serotonin by rat fundus strip (3 point bioassay) | 17-10-2020 | 31-10-2020 |
| 10 | Determination of PA ₂ of prostaglandin by Schild plot method | 24-10-2020 | 07-11-2020 |
| 11 | Determination of PD ₂ value using guinea pig ileum | 31-10-2020 | 28-11-2020 |
| 12 | Effect of spasmogens rlytics using rabbit jejunum | 07-11-2020 | 05-12-2020 |
| 13 | Antiinflammatory activity by Carrageenan method | 28-11-2020 | 19-12-2020 |
| 14 | Analgesic activity of drugs by central & peripheral methods | 05-12-2020 | 26-12-2020 |
| 15 | Demonstrate antidepressant activity by forced swim method | 12-12-2020 | 02-01-21 |

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Sign. of Teacher



P.S.B.
Sign. of HOD / Vice Principal

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Lecture Planning (Teaching Plan)

Class: F.Y.B.Pharm Division A Subject: HAP-II (BP201T)

Lectures Required as per the Syllabus - 45

| Sr. No. | Date | Lecture No. | Topics Plan | Unit / Chapter Learning Outcome |
|---------|----------|-------------|-----------------------------|---------------------------------|
| 1 | 26/5/21 | 01 | Nervous system organize | CO1 |
| 2 | 26/5/21 | 02 | Neuron & Neuroglia | CO1 |
| 3 | 30/5/21 | 03 | Functions of nerve fiber | CO1 |
| 4 | 31/5/21 | 04 | Concept of action potential | CO1 |
| 5 | 31/5/21 | 05 | Synapse & Neurotransmitter | CO1 |
| 6 | 02/06/21 | 06 | Menings and ventricles | CO1 |
| 7 | 06/06/21 | 07 | CSF functions / composition | CO1 |
| 8 | 07/06/21 | 08 | All Brain parts / fun | CO1 |
| 9 | 07/06/21 | 09 | Alp of spinal cord | CO1 |
| 10 | 09/06/21 | 10 | Reflex activity | CO1 |
| 11 | 13/06/21 | 11 | Endocrine System Intro | CO4 |
| 12 | 13/06/21 | 12 | hormones classification | CO4 |
| 13 | 14/06/21 | 13 | Hormone action | CO4 |
| 14 | 14/06/21 | 14 | Alp Pituitary glands | CO4 |
| 15 | 16/06/21 | 15 | Alp thyroid gland | CO4 |

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Attendance Sheet (Theory / Practical/Tutorial)

Class: F.Y.B. Pharm (Division A)

Subject: HAP - II (BP2017)

| Roll No. | Name of Student | Date | | | | | | | | | | | | | | | | | | | | |
|----------|-----------------------|-------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|
| | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| A1 | Bairagi Vaishnavi | L.No. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| A2 | Banjara Raj Prakash | | 1 | 2 | 3 | A | L | S | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| A3 | Bhambre Rashmi V | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | A | B | C | 15 | 16 | 17 | 18 | 19 |
| A4 | Bherdi Krishna B | | 1 | 2 | 3 | L | S | G | 7 | 8 | 9 | 10 | 11 | 12 | A | B | C | A | 15 | 16 | 17 | 18 |
| A5 | Bhavsar Chaitnya A | | 1 | 2 | 3 | A | A | L | S | G | 7 | 8 | 9 | 10 | 11 | 12 | B | C | A | A | 15 | 16 |
| A6 | Bodade Chaitnya G | | 1 | 2 | 3 | A | A | L | S | G | A | 7 | 8 | 9 | A | 9 | 10 | 11 | 12 | 13 | K | 15 |
| A7 | Borse Harshvardhan V | | 1 | 2 | 3 | A | L | S | A | G | 7 | 8 | 9 | A | 10 | 11 | 12 | B | C | 15 | 16 | 17 |
| A8 | Chaudhari Bhumika | | 1 | 2 | 3 | L | S | G | 7 | 8 | 9 | 10 | 11 | 12 | A | B | C | A | 15 | 16 | 17 | 18 |
| A9 | Chaudhari Harshal P | | 1 | 2 | 3 | L | S | G | 7 | 8 | 9 | A | 10 | 11 | 12 | B | C | 15 | 16 | A | 17 | 18 |
| A10 | Chavan Pradip S | | 1 | 2 | 3 | L | S | G | 7 | 8 | 9 | A | 10 | 11 | 12 | B | C | 15 | 16 | 17 | 18 | 19 |
| A11 | Desale Prafull R | | 1 | 2 | 3 | L | S | G | A | 7 | 8 | 9 | 10 | 11 | 12 | B | C | 15 | 16 | 17 | 18 | 19 |
| A12 | Dhudent Kadambar | | A | 1 | 2 | 3 | A | L | S | G | 7 | 8 | 9 | 10 | A | 11 | 12 | A | B | C | 15 | 16 |
| A13 | Gangurde Tejas A | | 1 | 2 | 3 | L | S | G | 7 | 8 | 9 | 10 | 11 | 12 | B | C | 15 | 16 | 17 | 18 | 19 | 20 |
| A14 | Hiray Sudharshan B | | 1 | 2 | 3 | A | A | L | S | G | 7 | 8 | 9 | 10 | 11 | 12 | B | C | 15 | 16 | 17 | 18 |
| A15 | Jadhav Ishwarchandra | | 1 | 2 | 3 | L | S | G | A | 7 | 8 | 9 | 10 | 11 | A | 12 | 13 | K | 15 | 16 | 17 | 18 |
| A16 | Jadhav Jyestna N | | 1 | 2 | 3 | L | S | G | 7 | 8 | 9 | 10 | 11 | 12 | B | C | 15 | 16 | 17 | 18 | 19 | 20 |
| A17 | Jadhav Sagar K | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | B | C | 15 | 16 | 17 | 18 | 19 | 20 |
| A18 | Jadhav Yogesh G | | 1 | 2 | 3 | L | S | A | A | G | 7 | A | 8 | 9 | 10 | 11 | 12 | B | C | 15 | 16 | 17 |
| A19 | Khabergode Pisha | | 1 | 2 | 3 | L | S | G | 7 | 8 | 9 | A | 10 | 11 | 12 | B | C | 15 | 16 | 17 | 18 | 19 |
| A20 | Kalepkar Pratik U | | 1 | 2 | 3 | A | A | L | S | G | A | 7 | 8 | 9 | A | 10 | 11 | 12 | B | C | 15 | 16 |
| A21 | Korde Georgi M | | 1 | 2 | 3 | A | A | L | S | G | A | 7 | 8 | 9 | 10 | 11 | A | 12 | B | C | 15 | 16 |
| A22 | Kshirsagar Gaurav R | | 1 | 2 | 3 | L | S | G | 7 | 8 | 9 | 10 | 11 | 12 | A | A | B | C | A | 15 | 16 | 17 |
| A23 | Magar Nandini D | | 1 | 2 | 3 | A | A | L | S | G | 7 | A | 8 | 9 | 10 | 11 | 12 | B | C | 15 | 16 | 17 |
| A24 | Mali Bhupesh S | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | B | C | 15 | 16 | 17 | A | 18 | 19 |
| A25 | Mali Ritika Ishwar | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | B | C | 15 | 16 | 17 | 18 | 19 | 20 |
| A26 | Patel Bhakti Keshav | | 1 | 2 | 3 | A | A | L | S | G | 7 | 8 | 9 | 10 | 11 | 12 | B | C | 15 | 16 | 17 | 18 |
| A27 | Patil Dhanu Shaileend | | 1 | 2 | 3 | L | S | G | A | 7 | 8 | 9 | 10 | 11 | 12 | B | C | 15 | 16 | 17 | 18 | 19 |
| A28 | Patil Megha Mahendra | | 1 | 2 | 3 | L | S | G | 7 | 8 | 9 | 10 | 11 | 12 | B | C | 15 | 16 | A | A | A | A |
| A29 | Patil Nikita Madhav | | 1 | 2 | 3 | A | A | L | S | G | 7 | 8 | 9 | 10 | 11 | 12 | B | C | 15 | 16 | 17 | 18 |
| A30 | Patil Nisha Gautam | | 1 | 2 | 3 | L | S | G | 7 | 8 | 9 | 10 | 11 | 12 | A | B | C | A | 15 | 16 | 17 | 18 |
| A31 | Patil Priyanka U. | | 1 | 2 | 3 | A | A | L | S | G | A | 7 | 8 | 9 | A | 10 | 11 | 12 | B | C | 15 | 16 |



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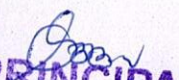


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Lecture Detail

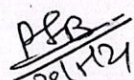
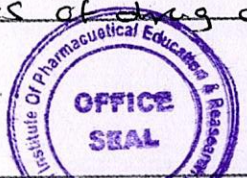
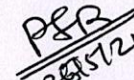

Month May Week One From 24-05-2021 To 30-05-2021

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|-------------------------|-------|---------|---|---|--|
| Monday 24/05/2021 | | | | | |
| Tuesday 25/05/2021 | | | | | |
| Wednesday 26/05/2021 | F.4 | HAP-II | 1) Nervous system organization 2) Neuron and Neuroglia | 1) Types, classification 2) Concept and defn with four | Refuser No 2  PRINCIPAL |



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Lecture Details

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|--|---|----------------|--|---|---|
| Thursday 27/05/2021 | - | - | - | - | - |
| Friday 28/05/2021 | S.Y | Pharmacology-I | Pharmacology of drugs | 1] Definition 2] Scope 3] Landmarks | Reference No.1 |
| Saturday 29/05/2021 | S.Y | Pharmacology I | 1] Sources of drugs 2] Essential drug concept | 1] Types of sources 2] Concept & list of drugs in EDL | Reference No.1 |
| Remarks | 30/05/21 ⇒ Nerve fiber functions (HAP-II) 30/05/21 ⇒ Routes of drug administration (1), Agonist/Antagonist concept (2) | | | | |
|  28/5/21 Sign. of Teacher |  | | |  28/5/21 Sign. of HOD / Vice Principal |  PRINCIPAL H.R. Patel Institute of Pharmaceutical Education & Research Shirpur Dist. Dhule (M.S) 425 405 |



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Practical Plan (Batch wise)

Class: S-Y-B-Pharm Subject: Pharmacology - I (CBP408P)

Number of practical as per syllabus: 15 Actual Number of practical conducted: 16

Batch:

| Sr. No. | Name of Experiment | Planned Date | Actual Date |
|---------|---|--------------|-------------|
| 1 | Introduction to experimental Pharmacology | | |
| 2 | Study Commonly used instruments in E.P. | | |
| 3 | Study of Common laboratory animals | | |
| 4 | Effect of drugs on ciliary mobility of drugs | | |
| 5 | Study of local anaesthetics by diff methods | | |
| | To study CPASEA guidelines | | |
| | Common laboratory techniques in E.P | | |
| | Common routes of drug administration in E.P | | |
| | To study SMP activity by rota-rod | | |
| | To study HME inducers on sleeping time | | |
| | To study stereotype & anticonvulsant activity | | |
| | To study anxiolytic activity of drugs | | |
| | To study locomotor activity by actophotometer | | |
| | To study anticonvulsant activity by MES/PTZ | | |
| | Effect of drugs on rabbit eye | | |
| | To study antidiuretic activity of cystone | | |

Sign. of Teacher PFB



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Sign. of PFB Vice Principal



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Practical Plan (Batch wise)

| Class: S.Y.B.Pharm | | | Subject: Pharmacology - I (BP408P) | | | |
|--------------------|--------------------|-------------|------------------------------------|-------------|--------------------|-------------|
| Batch: A | | Batch: B | | Batch: C | | |
| Sr. No. | Planned Date | Actual Date | Planned Date | Actual Date | Planned Date | Actual Date |
| 1 | 27/05/2021 | 27/05/2021 | 28/05/2021 | 28/05/2021 | 29/05/2021 | 29/05/2021 |
| 2 | 30/05/2021 | 03/06/2021 | 30/05/2021 | 03/06/2021 | 30/05/2021 | 05/06/2021 |
| 3 | 30/05/2021 | 03/06/2021 | 30/05/2021 | 03/06/2021 | 30/05/2021 | 05/06/2021 |
| 4 | 03/06/2021 | 06/06/2021 | 03/06/2021 | 06/06/2021 | 05/06/2021 | 06/06/2021 |
| 5 | 03/06/2021 | 06/06/2021 | 03/06/2021 | 06/06/2021 | 05/06/2021 | 06/06/2021 |
| 6 | 06/06/2021 | 10/06/2021 | 06/06/2021 | 11/06/2021 | 06/06/2021 | 12/06/2021 |
| 7 | 06/06/2021 | 13/06/2021 | 06/06/2021 | 12/06/2021 | 06/06/2021 | 15/06/2021 |
| 8 | 10/06/2021 | 17/06/2021 | 11/06/2021 | 18/06/2021 | 12/06/2021 | 19/06/2021 |
| 9 | 13/06/2021 | 01/07/2021 | 13/06/2021 | 02/07/2021 | 13/06/2021 | 03/07/2021 |
| 10 | 13/06/2021 | 04/07/2021 | 18/06/2021 | 02/07/2021 | 19/06/2021 | 03/07/2021 |
| 11 | 01/07/2021 | 05/07/2021 | 02/07/2021 | 05/07/2021 | 03/07/2021 | 07/07/2021 |
| 12 | 04/07/2021 | 08/07/2021 | 04/07/2021 | 09/07/2021 | 04/07/2021 | 10/07/2021 |
| 13 | 08/07/2021 | 11/07/2021 | 04/07/2021 | 11/07/2021 | 04/07/2021 | 11/07/2021 |
| 14 | 11/07/2021 | 11/07/2021 | 09/07/2021 | 11/07/2021 | 10/07/2021 | 11/07/2021 |
| 15 | 15/07/2021 | 15/07/2021 | 11/07/2021 | 16/07/2021 | 17/07/2021 | 17/07/2021 |
| 16 | 15/07/2021 P.R. | 15/07/2021 | 15/07/2021 | 15/07/2021 | 17/07/2021 P.R. | 17/07/2021 |

Sign. of Teacher



Sign. of HOD / Vice Principal

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Lecture Planning (Teaching Plan)

Class: _____ Division: _____ Subject: _____

Lectures Required as per the Syllabus

| Sr. No. | Date | Lecture No. | Topics Plan | Unit / Chapter Learning Outcome |
|---------|----------|-------------|---|---------------------------------|
| 1 | 20/06/21 | 16 | Alp Parathyroid gland | C04 |
| 2 | 20/06/21 | 17 | Alp Adrenal gland | C04 |
| 3 | 20/06/21 | 18 | Alp Pancreas | C04 |
| 4 | 25/06/21 | 19 | Alp Pineal gland | C04 |
| 5 | 27/06/21 | 20 | Endocrine disorders | C04 |
| 6 | 27/06/21 | 21 | Stomach, liver, intestines Alp | C02 |
| 7 | 28/06/21 | 22 | Large intestine, salivary glands, pancreas Alp | C02 |
| 8 | 28/06/21 | 23 | GIT movements | C02 |
| 9 | 29/06/21 | 24 | Digestion / Absorption of nutrients | C02 |
| 10 | 29/06/21 | 25 | GIT disorders | C02 |
| 11 | 30/06/21 | 26 | Energetics in detail | C02 |
| 12 | 30/06/21 | 27 | Alp Kidneys / Nephrons | C03 |
| 13 | 04/07/21 | 28 | Urine formation | C03 |
| 14 | 04/07/21 | 29 | Micturition / acid base | C03 |
| 15 | 05/07/21 | 30 | RAS system | C03 |

PRB
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Lecture Planning (Teaching Plan)

Class: _____ Division: _____ Subject: _____
Lectures Required as per the Syllabus

| Sr. No. | Date | Lecture No. | Topics Plan | Unit / Chapter Learning Outcome |
|---------|----------|-------------|---|---------------------------------|
| 1 | 05/07/21 | 31 | disorders of kidneys | C03 |
| 2 | 06/07/21 | 32 | Anatomy of respiration | C03 |
| 3 | 07/07/21 | 33 | Anatomy of lungs | C03 |
| 4 | 11/07/21 | 34 | Respiration regulation | C03 |
| 5 | 12/07/21 | 35 | Lungs volumes / R-gases | C03 |
| 6 | 12/07/21 | 36 | Artificial respiration / R. methods | C03 |
| 7 | 13/07/21 | 37 | Male reproductive system A/P | C05 |
| 8 | 14/07/21 | 38 | Female Reproductive System A/P | C05 |
| 9 | 25/07/21 | 39 | sex hormones (physiology of menstruation) | C05 |
| 10 | 25/07/21 | 40 | Fertilization process and content beyond syllabus | C05 |
| 11 | 26/07/21 | 41 | Spermatogenesis | C05 |
| 12 | 27/07/21 | 42 | oogenesis process | C05 |
| 13 | 28/07/21 | 43 | Pregnancy / parturition | C05 |
| 14 | 01/08/21 | 44 | chromosomes, genes, DNA, Protein Synthesis | C05 |
| 15 | 01/08/21 | 45 | Genetic pattern of inheritance | C05 |

PFB
Sign. of Teacher



[Signature]
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PFB
28/8/21
Sign. of HOD / Vice Principal



President :
Shri Amrishbhai R. Patel
M.L.A.

Principal :
Dr. S. B. Bari
M.Pharm. Ph.D., D.I.M.F.J.C.

CRITERIA: 1

CURRICULAR ASPECTS

SUMMARY

| Key Indicator: 1.1 | Curricular Planning and Implementation |
|--------------------|---|
| Metric No : 1.1.1 | The institution has a well-organized and documented approach for curriculum design and delivery that includes an academic calendar and ongoing internal assessment. |

LECTURE PLANNING AND DETAILS 2019 - 20



**THE SHIRPUR EDUCATION SOCIETY
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Lecture Planning (Teaching Plan)

Class: S.Y.B.ph. Division _____ Subject: physical pharmaceuticals-I
Lectures Required as per the Syllabus 45

| Sr. No. | Date | Lecture No. | Topics Plan | Unit / Chapter Learning Outcome |
|---------|---------|-------------|--|---------------------------------|
| 1 | 17/6/19 | 1 | Intro to solubility, solubility expressions | } CO-1 CO-2 |
| 2 | 18/6/19 | 2 | solutes & solvents | |
| 3 | 19/6/19 | 3 | Mechanism of solute-solvent interaction | } CO-1 CO-2 |
| 4 | 24/6/19 | 4 | Ideal solubility Parameters | |
| 5 | 25/6/19 | 5 | solvation & association | |
| 6 | 26/6/19 | 6 | factors affecting solubility | } CO-1 CO-2 |
| 7 | 17/7/19 | 7 | Diffusion in biological system | |
| 8 | 21/7/19 | 8 | solubility of gas in liquids | } CO-1 CO-2 |
| 9 | 31/7/19 | 9 | solubility of liquids in liquids | |
| 10 | 8/7/19 | 10 | Distribution law - applications construction of phase diagram (poy) | } CO-1 CO-3 |
| 11 | 9/7/19 | 11 | Intro to states of matter | |
| 12 | 10/7/19 | 12 | changes in the states | |
| 13 | 15/7/19 | 13 | latent heat, VP & sublimation | } CO-1 CO-3 |
| 14 | 16/7/19 | 14 | Eutectic mixtures, gases aerosols | |
| 15 | 17/7/19 | 15 | Inhibitors, liquid complexes | } CO-3 |

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Lecture Planning (Teaching Plan)

Class: S-Y-B ph. Division _____ Subject: phy. pharmaceuticals - I
Lectures Required as per the Syllabus 45

| Sr. No. | Date | Lecture No. | Topics Plan | Unit / Chapter Learning Outcome |
|---------|---------|-------------|--|---------------------------------|
| 1 | 22/7/19 | 16 | Liquid crystals, glassy state | CO-1 CO-3 |
| 2 | 23/7/19 | 17 | Solids - Crystalline & Amorphous forms | |
| 3 | 24/7/19 | 18 | Refractive index, optical rotation | CO-1 CO-3 |
| 4 | 29/7/19 | 19 | Dielectric constant, dipole moment | |
| 5 | 30/7/19 | 20 | Dissociation constant & applicat ⁿ | CO-1 CO-4 |
| 6 | 31/7/19 | 21 | Intro to surface & interface | |
| 7 | 5/8/19 | 22 | Surface & Interfacial tension Discussion of co-ordinate chemistry | CO-1 CO-4 |
| 8 | 6/8/19 | 23 | Surface free energy & its det ⁿ | |
| 9 | 7/8/19 | 24 | Capillary rise method | CO-1 CO-4 |
| 10 | 12/8/19 | 25 | DuNoy's ring method | |
| 11 | 13/8/19 | 26 | Adsorption at liquid interface) | CO-1 CO-4 |
| 12 | 14/8/19 | 27 | Surfactant, HLB scale | |
| 13 | 19/8/19 | 28 | Solubilisation principle | CO-1 CO-4 |
| 14 | 20/8/19 | 29 | Mechanism of detergency | |
| 15 | 21/8/19 | 30 | Adsorption at solid interface) | |

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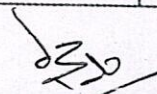


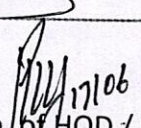
Lecture Planning (Teaching Plan)

Class: S.Y.B.ph Division _____ Subject: phy. pharmaceuticals-I

Lectures Required as per the Syllabus 45

| Sr. No. | Date | Lecture No. | Topics Plan | Unit / Chapter Learning Outcome |
|---------|---------|-------------|--------------------------------------|---------------------------------|
| 1 | 26/8/19 | 31 | Intro to complexes & protein binding | } CO-1 CO-5 |
| 2 | 27/8/19 | 32 | Classification of complexes | |
| 3 | 28/8/19 | 33 | ph. applications of complexes | |
| 4 | 29/8/19 | 34 | Methods of analysis of complexes | } CO-1 CO-5 |
| 5 | 31/8/19 | 35 | Protein binding & its effects | |
| 6 | 4/9/19 | 36 | Complexation & drug action | } CO-1 CO-5 |
| 7 | 16/9/19 | 37 | Thermodynamic treatment | |
| 8 | 17/9/19 | 38 | Crystalline structure of complexes | |
| 9 | 18/9/19 | 39 | Intro to pH, pH scale | } CO-1 CO-6 |
| 10 | 23/9/19 | 40 | pH determination | |
| 11 | 24/9/19 | 41 | applications of buffers | |
| 12 | 25/9/19 | 42 | Buffer equation & capacity | } CO-1 CO-6 |
| 13 | 30/9/19 | 43 | Buffer in pH systems | |
| 14 | 1/10/19 | 44 | Buffers in biological systems | } CO-1 CO-6 |
| 15 | 7/10/19 | 45 | Buffered isotonic solutions | |


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Attendance Sheet (Theory / Practical/Tutorial)

Class: S.P.B. Pharm

Subject: phy. pharm - I

| Roll No. | Name of Student | Date | Date | | | | | | | | | | | | | | | | | | | |
|----------|-----------------|------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|--------|---------|---------|---------|---------|---------|---------|
| | | | 17/6/19 | 18/6/19 | 19/6/19 | 19/6/19 | 24/6/19 | 25/6/19 | 26/6/19 | 26/6/19 | 11/7/19 | 27/7/19 | 31/7/19 | 31/7/19 | 8/7/19 | 9/7/19 | 10/7/19 | 10/7/19 | 15/7/19 | 16/7/19 | 17/7/19 | 17/7/19 |
| L.No. | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |

| | | | | | | | | | | | | | | | | | | | | | | |
|----|--------------------------|--|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|
| 1 | AGIWAL DARSHAN UDAY | | 1 | A | 2 | 3 | 4 | 5 | 6 | 7 | A | 8 | 9 | 10 | 11 | 12 | B | A | 14 | 15 | 16 | 17 |
| 2 | BADGUJAR SAURABH S. | | 1 | 2 | 3 | 4 | 5 | A | 6 | 7 | 8 | 9 | 10 | 11 | A | 12 | B | 14 | 15 | 16 | 17 | 18 |
| 3 | BADGUJAR SUVARNA ARVIND | | 1 | 2 | A | 3 | 4 | 5 | 6 | 7 | 8 | A | 9 | 10 | 11 | 12 | B | 14 | A | 15 | 16 | 17 |
| 4 | CHAUDHARI JIDNYASA ANIL | | 1 | 2 | 3 | 4 | 5 | 6 | A | 7 | 8 | 9 | 10 | 11 | 12 | B | A | 14 | 15 | 16 | 17 | 18 |
| 5 | CHAUDHARI PRANALI R. | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | A | 8 | 9 | 10 | 11 | 12 | A | B | 14 | 15 | 16 | 17 | 18 |
| 6 | CHAUDHARI VISHAL SANJIV | | 1 | 2 | 3 | A | 4 | 5 | 6 | 7 | 8 | 9 | A | 10 | 11 | 12 | B | 14 | 15 | A | 16 | 17 |
| 7 | DUSING RUSHIKESH VITTHAL | | A | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | * | 11 | 12 | 13 | A | 14 | 15 | 16 | 17 |
| 8 | GIRASE RUSHIKESH M. | | 1 | 2 | 3 | 4 | A | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | A |
| 9 | JAGTAP BHUSHAN MOHAN | | 1 | A | 2 | 3 | 4 | 5 | 6 | 7 | A | 8 | 9 | 10 | 11 | 12 | B | 14 | 15 | 16 | 17 | 18 |
| 10 | KAPADE MAYUR VINOD | | 1 | 2 | 3 | 4 | A | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | A | B | 14 | 15 | 16 | 17 | 18 |
| 11 | KHAN ATIQUE KHAN GAFUR | | 1 | A | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | A | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 12 | KONTURWAR PARIMAL R. | | 1 | 2 | 3 | 4 | 5 | A | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | A | 18 |
| 13 | KOTHARI DARSHAN U. | | 1 | 2 | A | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | A | 14 | 15 | 16 | 17 | 18 |
| 14 | KOTHARI RISHIKA BHARAT | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | A | 17 | 18 | 19 |
| 15 | KURESHI UMER MUSTAK | | 1 | A | 2 | 3 | 4 | 5 | 6 | 7 | 8 | A | 9 | 10 | 11 | 12 | B | 14 | 15 | A | 16 | 17 |
| 16 | LASURKAR KALYANI BALRAJ | | 1 | 2 | 3 | A | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | A | B | 14 | 15 | 16 | 17 | 18 |
| 17 | LODHA SUYASH SUNIL | | A | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | A | 10 | 11 | 12 | 13 | 14 | 15 | 16 | A | 17 |
| 18 | MAHAJAN PRASHANT R. | | 1 | 2 | A | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | A | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 19 | MAHAJAN ROHIT BHAGWAN | | 1 | 2 | 3 | 4 | 5 | A | 6 | 7 | 8 | 9 | 10 | 11 | 12 | A | 13 | 14 | A | 15 | 16 | 17 |
| 20 | MAHAJAN SRUSHTI PRAKASH | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | A | 9 | 10 | 11 | 12 | 13 | 14 | A | 15 | 16 | 17 | 18 |
| 21 | MALI HARSHAL RAJU | | A | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | A | 10 | 11 | 12 | 13 | 14 | 15 | 16 | A | 17 |
| 22 | NAYSE VAISHNAVI D. | | 1 | 2 | 3 | 4 | 5 | 6 | A | 7 | 8 | A | 9 | 10 | A | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| 23 | NIKUMBHE BHUSHAN M. | | 1 | 2 | A | 3 | 4 | 5 | 6 | 7 | 8 | 9 | A | 10 | 11 | 12 | 13 | 14 | 15 | A | 16 | 17 |
| 24 | NILKANTHE PRIYANKA S. | | A | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | A | 11 | 12 | 13 | 14 | A | 15 | 16 | 17 |
| 25 | PARDESHI NEHA PARAS | | 1 | 2 | 3 | 4 | 5 | A | 6 | 7 | 8 | 9 | 10 | 11 | 12 | A | 13 | 14 | 15 | 16 | 17 | A |
| 26 | PARDESHI VISHAL RAJENDRA | | 1 | 2 | 3 | A | 4 | 5 | 6 | 7 | A | 8 | 9 | 10 | 11 | 12 | 13 | A | 14 | 15 | 16 | 17 |
| 27 | PATEL EARTH JIGNESH | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | A | 8 | A | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | A | 17 |
| 28 | PATIL AKSHAY BHASKAR | | A | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | A | 12 | 13 | 14 | 15 | 16 | A | 17 |
| 29 | PATIL AMOL MACHHINDRA | | 1 | A | 2 | 3 | 4 | 5 | A | 6 | 7 | 8 | A | 9 | 10 | 11 | A | 12 | 13 | 14 | 15 | 16 |
| 30 | PATIL ARCHANA SANJAY | | 1 | 2 | 3 | A | 4 | 5 | 6 | 7 | 8 | A | 9 | 10 | 11 | 12 | 13 | 14 | A | 15 | 16 | 17 |





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Attendance Sheet (Theory / Practical/Tutorial)

| Roll No. | T | | | | T | | | | T | | | | T | | | | T | | | | | | | | | | | | | | | | | | | | | | |
|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | 22/7/19 | 23/7/19 | 24/7/19 | 25/7/19 | 26/7/19 | 27/7/19 | 28/7/19 | 29/7/19 | 30/7/19 | 31/7/19 | 1/8/19 | 2/8/19 | 3/8/19 | 4/8/19 | 5/8/19 | 6/8/19 | 7/8/19 | 8/8/19 | 9/8/19 | 10/8/19 | 11/8/19 | 12/8/19 | 13/8/19 | 14/8/19 | 15/8/19 | 16/8/19 | 17/8/19 | 18/8/19 | 19/8/19 | 20/8/19 | 21/8/19 | 22/8/19 | 23/8/19 | 24/8/19 | 25/8/19 | 26/8/19 | 27/8/19 | 28/8/19 | 29/8/19 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | | | | | | | | | | | | | | |
| 18 | 19 | 20 | A | 21 | 22 | 23 | A | 24 | 25 | 26 | 27 | 28 | 29 | 30 | A | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | A | 39 | | | | | | | | | | | | | | |
| 19 | 20 | 21 | 22 | A | 23 | 24 | 25 | 26 | 27 | A | A | 28 | 29 | 30 | 31 | 32 | A | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | | | | | | | | | | | | | | |
| A | 18 | 20 | 21 | 22 | 23 | A | 24 | 25 | 26 | 27 | 28 | A | 29 | 30 | 31 | A | 32 | 33 | 34 | 35 | A | 36 | 37 | 38 | 39 | | | | | | | | | | | | | | |
| A | 19 | 20 | A | 21 | 22 | 23 | 24 | A | 25 | 26 | 27 | 28 | A | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | | | | | | | | | | | | | | |
| 19 | 20 | 21 | 22 | 23 | A | 24 | 25 | 26 | A | 27 | 28 | 29 | 30 | A | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | | | | | | | | | | | | | | |
| 18 | 19 | A | 20 | 21 | 22 | 23 | 24 | 25 | 26 | A | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | A | 35 | 36 | 37 | 38 | 39 | 40 | | | | | | | | | | | | | | |
| 18 | 19 | 20 | 21 | 22 | A | 23 | 24 | 25 | 26 | 27 | A | 28 | 29 | 30 | A | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | | | | | | | | | | | | | | |
| 19 | 20 | A | 21 | 22 | 23 | 24 | 25 | A | 26 | 27 | 28 | A | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | A | 39 | 40 | | | | | | | | | | | | | | |
| 19 | 20 | 21 | 22 | A | 23 | 24 | 25 | 26 | 27 | 28 | A | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | A | 37 | 38 | 39 | 40 | 41 | | | | | | | | | | | | | | |
| 19 | 20 | 21 | 22 | 23 | 24 | A | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | A | 35 | 36 | 37 | 38 | 39 | A | 40 | 41 | | | | | | | | | | | | | | |
| 19 | A | 20 | 21 | 22 | A | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | A | 31 | 32 | 33 | 34 | A | 35 | 36 | 37 | 38 | 39 | 40 | | | | | | | | | | | | | | |
| 19 | 20 | 21 | A | 22 | 23 | A | 24 | A | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | A | 38 | 39 | 40 | | | | | | | | | | | | | | |
| A | 19 | 20 | 21 | A | 22 | 23 | 24 | 25 | 26 | A | 27 | 28 | 29 | 30 | 31 | A | 32 | 33 | 34 | 35 | 36 | 37 | 38 | A | 39 | | | | | | | | | | | | | | |
| 20 | A | 21 | 22 | 23 | A | 24 | 25 | 26 | 27 | 28 | 29 | A | 30 | 31 | 32 | 33 | 34 | 35 | A | 36 | 37 | 38 | 39 | 40 | 41 | | | | | | | | | | | | | | |
| 18 | 19 | 20 | 21 | 22 | A | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | A | 41 | | | | | | | | | | | | | | |
| 19 | 20 | 21 | 22 | 23 | A | 24 | 25 | 26 | 27 | 28 | 29 | A | 30 | 31 | 32 | 33 | 34 | 35 | A | 36 | 37 | 38 | 39 | A | 40 | | | | | | | | | | | | | | |
| 18 | 19 | 20 | A | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | A | 31 | 32 | 33 | 34 | 35 | 36 | A | 37 | 38 | 39 | 40 | | | | | | | | | | | | | | |
| A | 19 | 20 | 21 | A | 22 | 23 | 24 | 25 | 26 | 27 | A | 28 | 29 | 30 | 31 | A | 32 | 33 | 34 | 35 | 36 | 37 | 38 | A | 39 | | | | | | | | | | | | | | |
| 18 | 19 | 20 | 21 | 22 | 23 | A | 24 | 25 | 26 | 27 | 28 | 29 | A | 30 | 31 | 32 | 33 | A | 34 | 35 | 36 | A | 37 | 38 | 39 | | | | | | | | | | | | | | |
| 19 | 20 | 21 | 22 | 23 | 24 | 25 | A | 26 | A | 27 | 28 | 29 | 30 | A | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | | | | | | | | | | | | | | |
| 18 | 19 | A | 20 | 21 | 22 | 23 | 24 | 25 | 26 | A | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | A | 36 | 37 | A | 38 | 39 | | | | | | | | | | | | | | |
| 18 | 19 | 20 | 21 | 22 | A | 23 | 24 | A | 25 | 26 | 27 | 28 | 29 | 30 | A | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | | | | | | | | | | | | | | |
| 18 | 19 | 20 | A | 21 | 22 | 23 | 24 | 25 | 26 | A | 27 | 28 | 29 | 30 | 31 | A | 32 | 33 | 34 | 35 | 36 | A | 37 | 38 | 39 | | | | | | | | | | | | | | |
| 18 | A | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | A | 29 | 30 | 31 | 32 | A | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | | | | | | | | | | | | | | |
| 18 | 19 | 20 | A | 21 | 22 | 23 | 24 | 25 | A | 26 | 27 | 28 | 29 | 30 | A | 31 | 32 | 33 | 34 | 35 | 36 | A | 37 | 38 | 39 | | | | | | | | | | | | | | |
| 18 | 19 | 20 | 21 | 22 | 23 | A | 24 | 25 | 26 | 27 | A | 28 | 29 | 30 | 31 | 32 | 33 | 34 | A | 35 | 36 | 37 | 38 | 39 | 40 | | | | | | | | | | | | | | |
| 18 | 19 | 20 | 21 | A | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | A | 30 | 31 | 32 | 33 | A | 34 | 35 | 36 | 37 | 38 | 39 | 40 | | | | | | | | | | | | | | |
| 18 | A | 19 | 20 | 21 | 22 | 23 | 24 | 25 | A | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | A | 37 | 38 | 39 | 40 | | | | | | | | | | | | | | |
| 17 | A | 18 | 19 | 20 | 21 | 22 | 23 | A | 24 | 25 | 26 | 27 | 28 | 29 | A | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | | | | | | | | | | | | | | |
| 18 | 19 | 20 | 21 | 22 | A | 23 | 24 | 25 | 26 | 27 | 28 | A | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | A | 39 | 40 | | | | | | | | | | | | | | |



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Lecture Detail

Month June Week June (one) From 17/6/19 To 22/6/19

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|------------------------|--------------|-------------------------|--|--|------------|
| Monday 17/6/2019 | S.Y. B.ph | physical p'ceutics-I | Intro to solubility solubility expressions | various solubility Expressions | Ref 1,9 |
| Tuesday 18/6/2019 | + | + | solubility of Drugs | solute & solvents | Ref 1,9 |
| Wednesday 19/6/2019 | + | + | solubility of Drugs | mechanism of solute-solvent interactions | Ref 1,9 |




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Lecture Details

| Day & Date | Class | <u>List of references</u> | References |
|-----------------------|-------|--|------------|
| Thursday 20/6/2019 | | <p>Subject: BP302T. PHYSICAL PHARMACEUTICS-I (Theory)</p> <ol style="list-style-type: none"> 1. Physical Pharmacy by Alfred Martin 2. Experimental Pharmaceutics by Eugene, Parott. 3. Tutorial Pharmacy by Cooper and Gunn. 4. Stocklosam J. Pharmaceutical Calculations, Lea &Febiger, Philadelphia. 5. Liberman H.A, Lachman C., Pharmaceutical Dosage forms, Tablets, Volume-1 to 3, MarcelDekkar Inc. 6. Liberman H.A, Lachman C, Pharmaceutical Dosage forms. Disperse systems, volume 1, 2, 3. Marcel·Dekkar Inc. 7. Physical Pharmaceutics by Ramasamy C and ManavalanR. 8. LaboratoryManual of Physical Pharmaceutics, C.V.S. Subramanyam, J. Thimma settee 9. Physical Pharmaceutics by C.V.S. Subramanyam 10. Test book of Physical Phramacy, by Gaurav Jain & Roop K. Khar | |
| Friday 21/6/2019 | | <p>Subject: QUALITY CONTROL AND QUALITY ASSURANCE (MQA 103T)</p> <ol style="list-style-type: none"> 1. Quality Assurance Guide by organization of Pharmaceutical Procedures of India, 3rd revised edition, Volume I & II, Mumbai, 1996. 2. Good Laboratory Practice Regulations, 2nd Edition, Sandy Weinberg Vol. 69, Marcel Dekker Series, 1995. 3. Quality Assurance of Pharmaceuticals- A compedium of Guide lines and Related materials Vol I & II, 2nd edition, WHO Publications, 1999. 4. How to Practice GMP' s - P P Sharma, Vandana Publications, Agra, 1991. 127 5. The International Pharmacopoeia - vol I, II, III, IV & V - General Methods of Analysis and Quality specification for Pharmaceutical Substances, Excepients and Dosage forms, 3rd edition, WHO, Geneva, 2005. 6. Good laboratory Practice Regulations - Allen F. Hirsch, Volume 38, Marcel Dekker Series, 1989. 7. ICH guidelines 8. ISO 9000 and total quality management 9. The drugs and cosmetics act 1940 - Deshpande, Nilesh Gandhi, 4th edition, Susmit Publishers, 2006. 10. QA Manual - D.H. Shah, 1st edition, Business Horizons, 2000. | |
| Saturday 22/6/2019 | | | |
| Remarks | | | |

[Signature]
22/6/19
Sign. of Teacher



[Signature]
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[Signature]
Sign. of HOD / Vice Principal



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Practical Plan (Batch wise)

| Class: SYBph Subject: PH-3 | | Batch: A | |
|---|--|--|-------------|
| Number of practical as per syllabus: 15 | | Actual Number of practical conducted: 15 | |
| Sr. No. | Name of Experiment | Planned Date | Actual Date |
| 1 | Intro to physical pharmacy - I | 17/6/19 | 17/6/19 |
| 2 | To det ^m solubility of NaCl in Water | 24/6/19 | 24/6/19 |
| 3 | To det ^m solubility of oxalic acid in Water | 1/7/19 | 1/7/19 |
| 4 | To det ^m surface tension by dropcount | 8/7/19 | 8/7/19 |
| 5 | To det ^m surface tension by dropcount | 15/7/19 | 15/7/19 |
| 6 | To det ^m surface tension by dropweight method | 22/7/19 | 22/7/19 |
| 7 | To det ^m surface tension by dropweight method | 29/7/19 | 29/7/19 |
| 8 | Journal cheking & CBS Coordinate Geometry | 5/8/19 | 5/8/19 |
| 9 | To det ^m % composition of NaCl in phenol Water system | 19/8/19 | 19/8/19 |
| 10 | To find out HLB of given surfactant | 26/8/19 | 26/8/19 |
| 11 | To det ^m CMC of given surfactant | 9/9/19 | 9/9/19 |
| 12 | Journal cheking | 16/9/19 | 23/9/19 |
| 13 | To det ^m partition coefficient of benzoic acid | 23/9/19 | 30/9/19 |
| 14 | To det ^m partition coefficient of Iodine | 30/9/19 | 7/10/19 |
| 15 | To det ^m dissociation constant by Half neutralization | 7/10/19 | 14/10/19 |

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Lecture Planning (Teaching Plan)

Class: SYB Pharm Division — Subject: physical pharmacy - II
Lectures Required as per the Syllabus 45

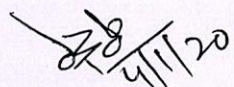



| Sr. No. | Date | Lecture No. | Topics Plan | Unit / Chapter Learning Outcome |
|---------|---------|-------------|--|---------------------------------|
| 1 | 16/3/20 | 31 | Methods to det ^m P-size |] CO-5 |
| 2 | 17/3/20 | 32 | P-counting & separation methods | |
| 3 | 18/3/20 | 33 | P-shape & surface area |] CO-5 |
| 4 | 23/3/20 | 34 | Methods to det ^m surface area | |
| 5 | 24/3/20 | 35 | Desired prop of powders |] CO-5 |
| 6 | 30/3/20 | 36 | Porosity, packing arrangement Density, Bulkiness & flow prop. | |
| 7 | 31/3/20 | 37 | Intro to stability, req ⁿ kinetics |] CO-6 |
| 8 | 1/4/20 | 38 | zero, pseudo & first order req ⁿ | |
| 9 | 7/4/20 | 39 | det ^m of order of reaction |] - CO-6 |
| 10 | 8/4/20 | 40 | factors affecting degradation of ph. products | |
| 11 | 13/4/20 | 41 | Acid-Base catalysis | |
| 12 | 15/4/20 | 42 | Stabilization from oxidation, hydrolysis |] CO-6 |
| 13 | 20/4/20 | 43 | Accelerated stability studies | |
| 14 | 21/4/20 | 44 | Methods of accelerated stability | |
| 15 | 22/4/20 | 45 | Photolytic degradation & its prevention | - CO-6. |

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Lecture Details

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|---|--|--|--|---|------------|
| Thursday 2/1/2020 | F.Y. M-ph | Ph. Manu. Technology (PMT) | 1) Intro to ph. manufacturing Technology 2) legal req & licences for ph. industries | scope 7 PMT Various legal requirements | Ref 1,5 |
| Friday 3/1/2020 | # | # | 1) legal requirement for API & Formulation industry 2) Pharma plant location | # plant location | Ref 1,5 |
| Saturday 4/1/2020 | | | | | |
| Remarks | As per plan | | | | |
|  Sign. of Teacher |  |  PRINCIPAL H.R Patel Institute of Pharmaceutical Education & Research Shirpur Dist. Dhule (M.S.) 425 405 |  Sign. of HOD / Vice Principal | | |



LIST OF REFERENCES

SUB: Physical Pharmacy II (BP 403T)

1. Physical Pharmacy by Alfred Martin, Sixth edition
2. Experimental pharmaceuticals by Eugene, Parott.
3. Tutorial pharmacy by Cooper and Gunn.
4. Stocklosam J. Pharmaceutical calculations, Lea & Febiger, Philadelphia.
5. Liberman H.A, Lachman C., Pharmaceutical Dosage forms, Tablets, Volume-1 to 3, Marcel Dekkar Inc.
6. Liberman H.A, Lachman C, Pharmaceutical dosage forms. Disperse systems, volume 1,2, 3. Marcel Dekkar Inc.
7. Physical Pharmaceutics by Ramasamy C, and Manavalan R.

SUB: Pharmaceutical Manufacturing Technology (MQA 204T)

1. Lachman L, Lieberman HA, Kanig JL. The theory and practice of industrial pharmacy, 3rd ed., Varghese Publishers, Mumbai 1991.
2. Sinko PJ. Martin's physical pharmacy and pharmaceutical sciences, 5th ed., B.I. Publications Pvt. Ltd, Noida, 2006.
3. Lieberman HA, Lachman L, Schwartz JB. Pharmaceutical dosage forms: tablets Vol. I-III, 2nd ed., CBS Publishers & distributors, New Delhi, 2005.
4. Banker GS, Rhodes CT. Modern Pharmaceutics, 4th ed., Marcel Dekker Inc, New York, 2005.
5. Sidney H Willing, Murray M, Tuckerman. Williams Hitchings IV, Good manufacturing of pharmaceuticals (A Plan for total quality control) 3rd Edition. Bhalani publishing house Mumbai.
6. Indian Pharmacopoeia. Controller of Publication. Delhi, 1996.
7. British Pharmacopoeia. British Pharmacopoeia Commission Office, London, 2008.
8. United States Pharmacopoeia. United States Pharmacopoeial Convention, Inc, USA, 2003.
9. Dean D A, Evans E R and Hall I H. Pharmaceutical Packaging Technology. London, Taylor & Francis, 1st Edition. UK.
10. Edward J Bauer. Pharmaceutical Packaging Handbook. 2009. Informa Health care USA Inc. Newyork.
11. Shaybe Cox Gad. Pharmaceutical Manufacturing Handbook. John Willey and Sons, New Jersey, 2008.

Month 4 Dec

| Day & Date | Class |
|-----------------------|--------------|
| Monday 30/12/2019 | S.Y. B.Ph |
| Tuesday 31/12/2019 | # |
| Wednesday 1/1/2020 | # |

9/1/2020

| Ref | References |
|-----|------------|
| 15 | Ref 1, 7 |
| 15 | Ref 1, 7 |
| 15 | Ref 1, 7 |



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2 sizes of colloids | 7 colloids



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Attendance Sheet (Theory / Practical/Tutorial)

| Roll No. | T | | F | | T | | F | | T | | F | | T | | F | | T | | F | | | |
|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----|
| | 11/2/20 | 12/2/20 | 13/2/20 | 14/2/20 | 15/2/20 | 16/2/20 | 17/2/20 | 18/2/20 | 19/2/20 | 20/2/20 | 21/2/20 | 22/2/20 | 23/2/20 | 24/2/20 | 25/2/20 | 26/2/20 | 27/2/20 | 28/2/20 | 29/2/20 | 30/2/20 | 31/2/20 | |
| 21 | 18 | 19 | 20 | A | 21 | 22 | 23 | 24 | 25 | 26 | A | 27 | 28 | 29 | A | 30 | 31 | 32 | 33 | 34 | 35 | |
| 22 | A | 19 | 20 | 21 | 22 | A | 23 | 24 | 25 | 26 | 27 | 28 | 29 | A | 30 | 31 | 32 | 33 | 34 | 35 | 36 | A |
| 23 | 18 | 19 | 20 | A | 21 | 22 | 23 | 24 | 25 | A | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | A | 36 |
| 24 | 17 | 18 | 19 | 20 | A | 21 | 22 | 23 | A | 24 | 25 | 26 | 27 | 28 | A | 29 | 30 | 31 | 32 | A | 33 | 34 |
| 25 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | A | 29 | 30 | A | 31 | 32 | 33 | 34 | 35 | 36 | A | 37 |
| 26 | 18 | 19 | 20 | A | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | A | 30 | 31 | 32 | 33 | A | 34 | 35 | 36 |
| 27 | 19 | 20 | 21 | 22 | A | 23 | 24 | 25 | A | 26 | 27 | 28 | 29 | 30 | A | 31 | 32 | 33 | 34 | 35 | 36 | A |
| 28 | A | 18 | 19 | 20 | 21 | 22 | A | 23 | 24 | 25 | 26 | A | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 |
| 29 | 19 | 20 | 21 | 22 | 23 | A | 24 | 25 | 26 | 27 | 28 | 29 | A | 30 | 31 | 32 | A | 33 | 34 | 35 | 36 | 37 |
| 30 | 18 | 19 | 20 | 21 | 22 | A | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | A | 37 |
| 31 | 17 | 18 | 19 | A | 20 | 21 | 22 | A | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | A | 31 | 32 | 33 | 34 | 35 |
| 32 | 18 | 19 | 20 | 21 | 22 | A | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | A | 37 |
| 33 | 18 | 19 | A | 20 | 21 | 22 | A | 23 | 24 | 25 | 26 | A | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 |
| 34 | 18 | 19 | A | 20 | 21 | 22 | A | 23 | 24 | 25 | 26 | A | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 |
| 35 | 17 | 18 | 19 | 20 | 21 | A | 22 | 23 | 24 | 25 | 26 | A | 27 | 28 | 29 | 30 | A | 31 | 32 | 33 | 34 | 35 |
| 36 | A | 18 | 19 | 20 | 21 | 22 | 23 | A | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | A | 36 |
| 37 | 18 | 19 | A | 20 | 21 | 22 | 23 | 24 | 25 | A | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | A |
| 38 | 17 | 18 | 19 | 20 | 21 | A | 22 | 23 | 24 | 25 | 26 | A | 27 | 28 | 29 | 30 | A | 31 | 32 | 33 | 34 | 35 |
| 39 | A | 18 | 19 | 20 | 21 | 22 | 23 | A | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | A | 36 |
| 40 | 18 | 19 | A | 20 | 21 | 22 | 23 | 24 | 25 | A | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | A |
| 41 | 18 | 19 | 20 | 21 | 22 | A | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | A | 37 |
| 42 | 18 | 19 | 20 | 21 | 22 | A | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | A | 37 |
| 43 | 17 | 18 | 19 | 20 | 21 | A | 22 | 23 | 24 | 25 | 26 | A | 27 | 28 | 29 | 30 | A | 31 | 32 | 33 | 34 | 35 |
| 44 | 18 | 19 | A | 20 | 21 | 22 | A | 23 | 24 | 25 | 26 | A | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 |
| 45 | 18 | 19 | 20 | 21 | 22 | A | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | A | 37 |
| 46 | 17 | 18 | 19 | 20 | 21 | A | 22 | 23 | 24 | 25 | 26 | A | 27 | 28 | 29 | 30 | A | 31 | 32 | 33 | 34 | 35 |



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Practical Plan (Batch wise)

| Class: FYMph Subject: QA Techniques-II (P) | | | |
|---|---|-------------------------------|-------------|
| Number of practical as per syllabus: 15 Actual Number of practical conducted: 15 Batch: 1 | | | |
| Sr. No. | Name of Experiment | Planned Date | Actual Date |
| 1 | Qualification of Autoclave | 6/1/20 | 6/1/20 |
| 2 | Qualification of Hot air oven | 13/1/20 | 13/1/20 |
| 3 | Qualification of Diss-test apparatus | 20/1/20 | 20/1/20 |
| 4 | Qualification of Disintegration tester | 27/1/20 | 27/1/20 |
| 5 | Validation of analytical method | 3/2/20 | 30/2/20 |
| 6 | Qualification of Tablet compression machine | 10/2/20 | 3/2/20 |
| 7 | checklist for sterile production area | 17/2/20 | 10/2/20 |
| 8 | checklist for Water for injection | 24/2/20 | 17/2/20 |
| 9 | checklist for tablet production | 2/3/20 | 24/2/20 |
| 10 | checklist for capsule production | 9/3/20 | 26/2/20 |
| 11 | Case study on application of QBD | 16/3/20 | 2/3/20 |
| 12 | Case study on application of PAT | 23/3/20 | 9/3/20 |
| 13 | Qualification of UV-VIS spectrophotometer | 25/3/20 | 16/3/20 |
| 14 | Qualification of Aseptic room | 6/4/20 | 19/3/20 |
| 15 | Validation of Analytical method. | 13/4/20 | |
| Sign. of Teacher | | Sign. of HOD / Vice Principal | |



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President :
Shri Amrishbhai R. Patel
M.L.A.

Principal :
Dr. S. B. Bari
M.Pharm. Ph.D., D.I.M.F.J.C.

CRITERIA: 1

CURRICULAR ASPECTS

SUMMARY

| Key Indicator: 1.1 | Curricular Planning and Implementation |
|--------------------|---|
| Metric No : 1.1.1 | The institution has a well-organized and documented approach for curriculum design and delivery that includes an academic calendar and ongoing internal assessment. |

LECTURE PLANNING AND DETAILS 2018 - 19



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Lecture Planning (Teaching Plan)

Class: First year Division A, B, C Subject: HAP-I [BP103P]
Lectures Required as per the Syllabus 45

| Sr. No. | Date | Lecture No. | Topics Plan | Unit / Chapter Learning Outcome |
|---------|---------|-------------|--------------------------------|---------------------------------|
| 1 | 2/8/18 | 01 | Defn & Scope - Anatomy | |
| 2 | 3/8/18 | 02 | Defn & Scope - Physiology | Students / Learner |
| 3 | 4/8/18 | 03 | Homeostasis | get awared about |
| 4 | 5/8/18 | 04 | Anatomy & Physiology - Cell | basic processes |
| 5 | 5/8/18 | 05 | Cell transport & division | and basic units |
| 6 | 9/8/18 | 06 | Cell Signalling Pathways | of life & its Comple |
| 7 | 10/8/18 | 07 | Epithelial tissue - Alp | structure & physiology |
| 8 | 11/8/18 | 08 | Connective tissue - Alp | CO-1 |
| 9 | 16/8/18 | 09 | Muscular tissue - Alp | |
| 10 | 17/8/18 | 10 | Nervous tissue - Alp | |
| 11 | 17/8/18 | 11 | Body fluids - Types | CO-4 Students / Learner |
| 12 | 18/8/18 | 12 | Blood - Composition & function | get awared about |
| 13 | 23/8/18 | 13 | Haemopoiesis / Erythropoiesis | body fluids & their |
| 14 | 24/8/18 | 14 | Blood clotting Mechanisms | importance. They |
| 15 | 25/8/18 | 15 | Blood grouping / transfusion | also get awared |

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[Signature]
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Lecture Planning (Teaching Plan)


Class: _____ Division _____ Subject: _____

Lectures Required as per the Syllabus

| Sr. No. | Date | Lecture No. | Topics Plan | Unit / Chapter Learning Outcome |
|---------|----------|-------------|--------------------------------|---------------------------------|
| 1 | 30/8/18 | 16 | Disorders of blood (All) | |
| 2 | 31/8/18 | 17 | Lymph organs / tissue | about anatomy & |
| 3 | 01/09/18 | 18 | Lymphatic vessels | Physiology of blood |
| 4 | 06/09/18 | 19 | Lymph circulation. | & lymph. Co-4 |
| 5 | 07/09/18 | 20 | Lymphatic functions | |
| 6 | 08/09/18 | 21 | structure of skin | students / Learner |
| 7 | 13/09/18 | 22 | Function of skin | Co-2 Get awared about |
| 8 | 13/09/18 | 23 | Skeletal Systems / bones | and will able to |
| 9 | 14/09/18 | 24 | Features of bone / functions | understands the |
| 10 | 15/09/18 | 25 | Muscle Contractions | Complexity of |
| 11 | 20/09/18 | 26 | Neuromuscular junctions | human skeleton |
| 12 | 21/09/18 | 27 | Axial / Appendicular Skelet. | Joints & their |
| 13 | 22/09/18 | 28 | Types of joints | physiology. |
| 14 | 27/09/18 | 29 | Joints articulation | Co-3 |
| 15 | 28/09/18 | 30 | Structure / function of Joints | |


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Lecture Planning (Teaching Plan)


Class: _____ Division: _____ Subject: _____

Lectures Required as per the Syllabus

| Sr. No. | Date | Lecture No. | Topics Plan | Unit / Chapter Learning Outcome |
|---------|----------|-------------|--------------------------------|---------------------------------|
| 1 | 29/09/18 | 31 | Sympathetic System | |
| 2 | 04/10/18 | 32 | Parasympathetic System | students will able |
| 3 | 05/10/18 | 33 | Spinal nerves | to understands ANS |
| 4 | 06/10/18 | 34 | Cranial nerves | of the body & how |
| 5 | 11/10/18 | 35 | Eye - Anatomy, Physiology | it works. |
| 6 | 12/10/18 | 36 | Ear - Anatomy, Physiology | CO-5 |
| 7 | 13/10/18 | 37 | Nose - Anatomy, physiology | |
| 8 | 19/10/18 | 38 | Tongue - Anatomy, Physiology | |
| 9 | 20/10/18 | 39 | Heart - Anatomy & Physiology | Students will be |
| 10 | 25/10/18 | 40 | Blood Circulations types | able to understands |
| 11 | 26/10/18 | 41 | AP - artery, Vein, Capillary | anatomy & Physiology |
| 12 | 27/10/18 | 42 | Conduction System Heart | of heart & how it |
| 13 | 01/11/18 | 43 | Cardiac output / cardiac cycle | is important in |
| 14 | 02/11/18 | 44 | B.P / pulse / ECG (All) | body |
| 15 | 03/11/18 | 45 | disorders of Heart | CO-6 |


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Lecture Detail



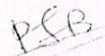

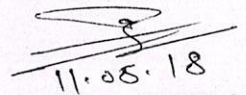
Month August Week Second From 06-08-2018 To 12-08-2018

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|-------------------------|-------|----------------------|--|--|-----------------|
| Monday 06/08/2018 | F-Y | Communication Skills | Process of Communication: → a) Sender b) Receiver c) Encoding d) Decoding e) Feedback | Communication process → a) sender b) Receiver c) Encode & Decode d) feedback | Reference No. 3 |
| Tuesday 07/08/2018 | F-Y | - | - | - | - |
| Wednesday 08/08/2018 | F-Y | - | - | - | - |



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Lecture Details

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|---|---|--------------------------|--|--|--------------------------------------|
| Thursday 09/08/2018 | F.Y | HAP-I | Cell: → a) Anatomy b) physiology | 1) Anatomy of cell 2) physiology of cell | Reference No.1 |
| Friday 10/08/2018 | F.Y | HAP-I | Lecture (1): → 1) cell transport 2) cell diffusion Lecture (2): → HAP Tutorial. | Cell transport cell diffusion | Reference No.1 |
| Saturday 11/08/2018 | F.Y | HAP-I Comm-SKILLS | Lecture (1): → Cell signalling Pathways " Communication barriers:- | Cell signalling: → active, passive ions role - 1) physical barrier 2) physiological -1- | Reference No.1 Reference No.3 |
| Remarks | on 12th August 2018 two extra lectures were conducted (comm-skills) | | | | |
|  Sign. of Teacher |  OFFICE SEAL | |  11.05.18 Sign. of HOD / Vice Principal | | |



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Lecture Planning (Teaching Plan)

Class: First Year B.Pharm Division - Subject: HAP- II [BP2017]
Lectures Required as per the Syllabus - 45

| Sr. No. | Date | Lecture No. | Topics Plan | Unit / Chapter Learning Outcome | |
|---------|----------|-------------|--------------------------------|---------------------------------|-----|
| 1 | 03-01-19 | 01 | organization of Nervous System | | |
| 2 | 04-01-19 | 02 | Neuron, Neuralgia | | |
| 3 | 05-01-19 | 03 | classify / properties nerve | | |
| 4 | 10-01-19 | 04 | Electrophysiology | | |
| 5 | 11-01-19 | 05 | Action potential / Receptors | | CO1 |
| 6 | 12-01-19 | 06 | Synapse / neurotransmitters | | |
| 7 | 17-01-19 | 07 | Menings / ventricles of brain | | |
| 8 | 18-01-19 | 08 | CSF / structure of brain | | |
| 9 | 19-01-19 | 09 | Functions of brain | | |
| 10 | 24-01-19 | 10 | Spinal cord | | |
| 11 | 25-01-19 | 11 | Anatomy of GIT | | |
| 12 | 31-01-19 | 12 | Stomach - Anatomy / physiology | | |
| 13 | 01-02-19 | 13 | Small / Large intestine | | CO2 |
| 14 | 02-02-19 | 14 | Salivary glands / ATP / BMR | | |
| 15 | 07-02-19 | 15 | Pancreas / liver | | |

PBB
Sign. of Teacher



[Signature]
Sign. of HOD / Vice Principal
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H.R. Patel Institute of Pharmaceutical Education & Research
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Lecture Planning (Teaching Plan)

Class: _____ Division: _____ Subject: _____

Lectures Required as per the Syllabus

| Sr. No. | Date | Lecture No. | Topics Plan | Unit / Chapter Learning Outcome |
|---------|----------|-------------|--|---------------------------------|
| 1 | 08-02-19 | 16 | Digestion / Disorders of GIT | |
| 2 | 09-02-19 | 17 | Introduction of R-System | |
| 3 | 14-02-19 | 18 | Functioning of R-System | |
| 4 | 15-02-19 | 19 | Anatomy of Lungs | |
| 5 | 16-02-19 | 20 | Physiology of Lungs | |
| 6 | 24-02-19 | 21 | Respiration Mechanism | |
| 7 | 24-02-19 | 22 | Respiration regulation / Kidney A/P | C03, C04 |
| 8 | 28-02-19 | 23 | Lung volumes / Urine formation | |
| 9 | 01-03-19 | 24 | Transport of R. Gases / Acid-base balance | |
| 10 | 02-03-19 | 25 | Artificial respiration / RAS in kidney | |
| 11 | 03-03-19 | 26 | Resuscitation methods / Kidney disorder | |
| 12 | 03-03-19 | 27 | Endocrine glands Introduction | |
| 13 | 07-03-19 | 28 | Mechanism of hormone action | |
| 14 | 08-03-19 | 29 | Pituitary gland - A/P | C05 |
| 15 | 09-03-19 | 30 | Thyroid / Parathyroid - A/P | |

PFB

Sign. of Teacher



[Signature]

Sign. of HOD / Vice Principal

[Signature]



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Lecture Planning (Teaching Plan)

Class: _____ Division _____ Subject: _____

Lectures Required as per the Syllabus

| Sr. No. | Date | Lecture No. | Topics Plan | Unit / Chapter Learning Outcome |
|---------|----------|-------------|---------------------------------------|---------------------------------|
| 1 | 11-03-19 | 31 | Adrenal / pancreas - A/P | CO5 |
| 2 | 14-03-19 | 32 | Pineal / Thymus - A/P | |
| 3 | 15-03-19 | 33 | Pituitary gland disorders | |
| 4 | 16-03-19 | 34 | Thyroid / Parathyroid gland disorders | |
| 5 | 17-03-19 | 35 | Adrenal / Pancreas disorders | |
| 6 | 22-03-19 | 36 | Thymus disorders | |
| 7 | 23-03-19 | 37 | Male Reproductive system A/P | CO6 |
| 8 | 25-03-19 | 38 | Female Reproductive system A/P | |
| 9 | 28-03-19 | 39 | Sex hormones / menstruation | |
| 10 | 29-03-19 | 40 | Fertilization | |
| 11 | 30-03-19 | 41 | Spermatogenesis / oogenesis | |
| 12 | 01-04-19 | 42 | Pregnancy / parturition | |
| 13 | 11-04-19 | 43 | chromosomes / genes / DNA | |
| 14 | 12-04-19 | 44 | Protein synthesis | |
| 15 | 13-04-19 | 45 | Pattern of Inheritance | |

P.P.B.
Sign. of Teacher



[Signature]
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Lecture Detail



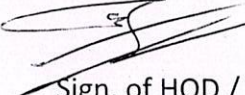

Month December/Jan Week one From 31-12-18 To 06-01-19

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|-------------------------|--------------------|------------------------------------|--|---|-----------------|
| Monday 31/12/2018 | Second year | Pharmacology I | History and scope of pharmacology | 1] History 2] Scope:- - RxD - Pharmacovigilance - As lecturer | Reference No. 3 |
| Tuesday 01/01/2019 | Second year S.Y | Pharmacology I Pharmacology - I | Nature, Scope (source) and source and concept of drug Tutorial lecture (1-2 pm) | 1] Sources 2] Concept of drug | Reference No. 3 |
| Wednesday 02/01/2019 | | | D.L (Avishkar 2018) | | |



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Lecture Details

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|---|--|---------|------------------|--|---|
| Thursday 03/01/2019 | | | D.L | | |
| Friday 04/01/2019 | | | D.L | | |
| Saturday 05/01/2019 | | | D.L | | |
| Remarks | on 6th Jan 2019 three lectures of HAP - II were conducted in. [8-30-11.30 pm] [N. system organization, Neuron & neuroglia, Properties of Nerve] | | | | |
|  Sign. of Teacher |  | | |  Sign. of HOD / Vice Principal |  PRINCIPAL |



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Lecture Detail

Month August Week Second From 06-08-2018 To 12-08-2018

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|-------------------------|-------|----------------------|--|---|-----------------|
| Monday 06/08/2018 | F-Y | Communication Skills | Process of Communication: → a) Sender b) Receiver c) Encoding d) Decoding e) Feedback | Communication process: → a) sender b) Receiver c) Encode & Decode d) feedback | Reference No. 3 |
| Tuesday 07/08/2018 | F-Y | - | - | - | - |
| Wednesday 08/08/2018 | F-Y | - | - | - | - |




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Lecture Details


| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|------------------------|-------|--------------------------|--|--|--------------------------------------|
| Thursday 09/08/2018 | F.Y | HAP-I | Cell:→ a) Anatomy b) physiology | 1] Anatomy of cell 2] physiology of cell | Reference No.1 |
| Friday 10/08/2018 | F.Y | HAP-I | Lecture (1):→ 1] cell transport 2] cell diffusion Lecture (2):→ HAP Tutorial. | Cell transport cell diffusion | Reference No.1 |
| Saturday 11/08/2018 | F.Y | HAP-I Comm-SKILLS | Lecture (1):→ Cell signalling Pathways " Communication barriers:- | Cell signalling:- active, passive ions role- 1] physical barrier 2] physiological - | Reference No.1 Reference No.3 |

Remarks

on 12th August 2018 two extra lectures were conducted (comm skills)


 Sign. of Teacher




 11.08.18

Sign. of HOD / Vice Principal
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