**(SIF B-6)**

**NATIONAL MEDICAL COMMISSION**

**STANDARD ASSESSMENT FORM**

**FORM – B**

On the

Facilities for teaching in the subject of

**PHARMACOLOGY**

For the Course of study leading up to

M.B.B.S. Examination

**Name of Institution: Government Medical College, Surat**

**Place: Surat**

**Affiliated to the University of Veer Narmad South Gujarat University, Surat Name of the Head of the Department: Dr Chetan R. Acharya**

Signature of the Dean/Principal Signature of the

(with seal) Head of the Department

(This form shall be first filled in by the Principal/Dean of the college in collaboration with the Head of the Department and handed over to the Inspector, who shall examine the information already furnished & gather such additional information as may be necessary to fill in the spaces provided for within)

1. Date of Assessment :

1. Names of Assessors :
2. Date of last Assessment : 28-11-2019, 29-11-2019

1. Names of Assessors : Dr. Jugal K. Kar

 Dr. Sushma K. Kataria

 Dr. Yuvraj B. Y

 Dr. Noorjahan Begum

Deficiencies pointed out in the last assessment/ To what extent rectified

* 1. **Teaching Staff:** In case this space is less a statement showing the following information may be attached in this format. (to be filled in by the Dean/Principal of the college).

 **Department of Pharmacology**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Post**  | **No.**  | **Name and** **Medical** **Registration** **Number**  | **Qualification with dates & Where obtained**  |  | **Experience**  |  |
|  |  |  |  | **As Demonstrator/Tutor**  |  | **As Asst. Professor/Lectur** | **er**  |
|  |  |  | **Date**  | **College**  | **Univ.**  | **Instt.**  | **From**  | **To**  | **Total**  | **Instt.**  | **From**  | **To**  | **Total**  |
| **1**  | **2**  | **3**  | **4**  | **5**  | **6**  | **7**  | **8**  | **9**  | **10**  | **11**  | **12**  | **13**  | **14**  |
| **Associate Professor**  | **1**  | Dr. C.R Acharya G-10793  | MD (Pharmacology) May 2000  | Government Medical College, Surat  | V.N.South Gujarat University, Surat  | Government Medical College, Surat   | 25.6.94  | 17.10.2000  | 6 year 4 months  | Medical College, Baroda Government Medical College, Surat  BJ Medical college, Ahmedabad  Government Medical College, Surat     | 18.10.2000  6.1.03  6.5.04  6.8.05   | 5.1.03   5.5.04  5.8.05  5.2.06  | 5 years 4 months  |

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|  | **2**  | Dr. Preeti Yadav G-27559  | MD (Pharmacology) 1997  | NSCB Medical College, Jabalpur  | RDVV University Jabalpur  | Resident NSCB Medical College,Surat  | 20.06.1994    5th August1997  | 19.06.1997   2nd March1999   | 3 years    1 yr 8 mths  | BJ Medical college, Ahmedabad  Government Medical College, Surat   | 8.3.99    18.7.99  | 17.7.99    30.6.4   |  5 Years 11 Months  |
| **3**  | Dr. Chetna Patel G-14344  | MD (Pharmacology) Jan 2006  | Medical College, Baroda   | M.S.University , Baroda  | Resident Medical College, Baroda  Medical College, Baroda  Government Medical College, Surat    | 5.7.02   20.8.04  2.3.06  | 19.8.04   1.3.06  14.4.06  | 3 year 9 months  | Government Medical College, Surat   | 15.4.06  | 17.5.2011 Till Date  | 13 years 1 months  |
| **Asst. Prof.**  | **4**  | Dr Anita Sinha G-14482  | MD (Pharmacology) March 2006  | Government Medical College, Surat   | V.N. South Gujarat University, Surat  | Government Medical College, Surat   | 23.2.01  | 13.8.06  | 5 years 5 months  | Government Medical College, Surat  Government Medical College, Surat   | 14.8.06     2.12.13  | 8.3.13     Till date    | 11 years 9 months  |
| **5**  | Dr.Mayur Chaudhari G-37090  | MD (Pharmacology) 2009  | Medical College, Baroda   | M.S.University , Baroda  | Medical College, Baroda  Government Medical College, Surat    | 6.2.08    2.4.09  | 1.4.09    12.4.10  | 2 years 2 months  | BJ Medical college, Ahmedabad   GMERS Gotri Medical College, Baroda  BJ Medical college, Ahmedabad   | 13.4.10    7.5.11      26.7.11   | 6.5.11    25.7.11      30.7.12   | 8 years 6 months  |

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|  |  |  |  |  |  |  |  |  |  | Government Medical College, Surat      |   31.7.12  |   Till date   |  |
| **6**  | Dr.B.Divakar G-16773  | MD (Pharmacology) 2009   | Government Medical College, Surat   | V.N.South Gujarat University, Surat  | Government Medical College, Surat  Government Medical College, Surat  Medical College, Baroda     | 31.5.07    31.7.12    24.9.12  | 17.8.09    28.8.12    27.12.12  | 2 years 7 months  |  MP Shah medical College, Jamnagar  Government Medical College, Surat  Medical College, Baroda  PDU Medical College, Rajkot  Government Medical College, Surat     | 18.8.09     22.9.11     29.8.12    28.12.12    30.10.14    | 21.9.11     30.7.12     23.9.12    29.10.14    Till date   | 8 years 9 months  |
|  | **7**  | Dr.Priyanka Patel G-25712  | MD (Pharmacology) 2017  | Smt.NHL Municipal Medical College  | Gujarat University  | GMERS medical college, Vadnagar  | 17.05.18  | 18.11.20  | 2 years 6months  | Government Medical College, Surat   | 19.11.20  | Till date  |   |
|  | **8**  | Dr Rajesh Shah G-14239  | MD(Pharmacolo gy) 1990  | Government medical college, Surat  | V.N. South Gujarat University, Surat  | Government medical college, Surat  Government Dental College, Ahmedabad  | 04.06.87  15.10.94  | 02.05.94  26.03.02  | 1. years 11 months

 1. years 5 months
 | M. P. Shah medical college, Jamnagar  B. J. Medical College, Ahmedabad   | 03.05.94  10.05.00  27.03.02  | 14.10.94  24.04.01  26.11.09  |  6 months  11 months   7 years 8 months  |

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|  |  |  |  |  |  |  |  |  |  | Government Dental College, Ahmedabad  |  |  |  |
| **Demonstrator /Tutor**  | **9**  | Dr. Neha Patel G-41160  | M.Sc. Pharmacology  | Baroda Medical College  | The Maharaja Sayajirao University  | Baroda Medical College  Government Medical College, Surat  Baroda Medical College  GMERS Medical College, Gotri  Baroda Medical College  Government Medical College, Surat    | 01.12.2009   25.02.2010   28.04.2010   08.02.2014   26.06.2014   26.10.2016  | 24.02.2010   27.04.2010   07.02.2014   25.06.2014   25.10.2016   Till Date  | 1. Years
2. months
 |   |   |   |   |
|  | **10**  | Dr. Nrupal Patel G-22860  | MD (Pharmacology) 2015  | BJ Medical college, Ahmedabad  | Gujarat University  | Government Medical College, Surat   | 13/03/2015  | Till date   | 5 year 8 months  |   |   |   |   |
|  | **11**  | Dr.Manoj Halpati G-41117  | MBBS 2008  | MP Shah medical College, Jamnagar   | Saurashtra university  | GMERS Medical College, Valsad  GMERS Medical College, Valsad  Government Medical College, Surat   | 3.12.09     29.3.13     1.8.13   | 28.3.13     31.7.13     16.11.15   | 1. years
2. months
 |   |   |   |   |

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|  |  |  |  |  |  | GMERS Medical College, Valsad  Government Medical College, Surat  GMERS Medical College, Valsad  Government Medical College, Surat    |   17.11.15    27.2.16    1.4.16     1.6.16  |  26.2.16     31.3.16    31.5.16     Till date    |  |  |  |  |  |
| **12**  | Dr. Rahul Chaudhari G-46129  | MBBS 2010  | MP Shah medical College, Jamnagar   | Saurashtra university  | Government Medical College, Surat   | 4.1.13  | Till date   |  7 years 10 months  |  |  |  |  |
|  | **13**  | Dr Vipul Navadiya G-27165  | MD Pharmacology 2017  | Government Medical college, Surat  | Veer Narmad south gujrat university  | Government Medical college, Surat  | 5-9-2020  | Till datte  | 2 months  |  |  |  |  |
| **Any other** **Category** **(residents)**  | **14**  | Dr Bhargavi Patel (3rd Year Resident) G-60982  | MBBS 2017  | Gujarat Adani Institute of Medical Sciences (GAIMS), Bhuj  | Krantiguru Shyamji Krishna Verma Kachchh University.  |  |  |  |  |  |  |  |  |
| **15**  | Dr Mrugank Patel(3rd Year Resident) G-54259  | MBBS 2014  | Government Medical College, Surat  | V.N.South Gujarat University, Surat  |  |  |  |  |  |  |  |  |
| **16**  | Dr Kishan Patel(3rd Year Resident)  | MBBS 2017  | Pramukh swami Medical  | Sardar Patel University.  |  |  |  |  |  |  |  |  |

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|  |  | G-61820  |  | College, Karamsad  |  |  |  |  |  |  |  |  |  |
| **17**  | Dr Disha Patel(3rd Year Resident) G-59013  | MBBS 2016  | GMERS Medical College, Sola  | Gujarat University  |  |  |  |  |  |  |  |  |
| **18**  | Dr Bhargav Darji(3rd Year Resident) G-37814  | MBBS 2005  | Baroda Medical College  | The Maharaja Sayajirao University  |  |  |  |  |  |  |  |  |
| **19**  | Dr Jeenal Patel(2nd year Resident) G-61500  | MBBS 2017  | GMERSMedical college, Dharpur  | Hemchand-racharya North Gujarat University  |  |  |  |  |  |  |  |  |
| **20**  | Dr Jigar Chotaliya(2nd year Resident) G-62527  | MBBS  2017  | Bhavanagar Medical college  | M. K. Bhavanagar University  |  |  |  |  |  |  |  |  |
| **21**  | Dr Jatin Pathak(2nd year Resident) G-59193  | MBBS 2016  | GMERS Medical college,Gotri, Baroda  | The Maharaja Sayajirao University  |  |  |  |  |  |  |  |  |
| **22**  | Dr Khushbu Rathod(2nd Year Resident) G-60517  | MBBS 2016  | GMERS Medical College, Sola  | Gujarat University  |  |  |  |  |  |  |  |  |
| **23**  | Dr Vijita Shah (1st year Resident) G-54776  | MBBS 2013  | Dr D.Y. Patil Medical College  | Dr. D. Y. Patil Vidyapeeth Pune  |  |  |  |  |  |  |  |  |
| **24**  | Dr Sana Turki (1st year Resident) G-58058  | MBBS 2016  | Smmimer Medical college  | Veer Narmad south gujrat university  |  |  |  |  |  |  |  |  |
| **25**  | Dr Pradip sodha (1st year Resident) G-64516  | MBBS 2018  | Gujarat Adani Institute of Medical  | Krantigurushya mji Krishna Verma Kachchh University.  |  |  |  |  |  |  |  |  |
|  |  |  |  | Sciences (GAIMS), Bhuj  |  |  |  |  |  |  |  |  |  |
| **26**  | Dr Jeenal Mistry G-61837  | MBBS 2017  | Baroda Medical College  | The Maharaja Sayajirao University  |  |  |  |  |  |  |  |  |

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| **Post**  |  |  | **Experience**  |  |  | **Total Teaching Experience And Remarks if any,**  |
|  | **As Assoc. Professor/Reader**  |  |  | **As Professor**  |  |
|  | 15  | 16  | 17  | 18  | 19  | 20  | 21  | 22  | 23  |
|  | **Institution**  | **From**  | **To**  | **Total**  | **Institution**  | **From**  | **To**  | **Total**  |   |
| **Associate** **Professor/ Reader**  | Government Medical College, Surat  MP Shah medical College, Jamnagar   | 6.2.06    11.10.06   | 10.10.06    13.2.07   | 14 years 9 months |  |  |  |  | 26 years 5 months     |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Government Medical College, Surat  GMERS Gotri Medical College, Baroda  Government Medical College, Surat   |  14.2.07   11.2.12    14.3.12  |  10.2.12   13.3.12    Till date   |  |  |  |  |  |  |
|  | Government Medical College, Surat  PDU Medical College, Rajkot  Government Medical College, Surat  GMERS Medical College, Dharpur, Patan  Government Medical College, Surat    | 1.7.04    19.3.08   7.6.08   8.6.13   25.7.13  | 18.3.08    6.6.08   7.6.13   24.7.13   Till date   |  16 years  4 months  |  |  |  |  | 26 Years 5 month  |
|  | Government Medical College, Surat   | 18.5.2011  | Till date   | 9 year 6 months  |   |   |   |   | 18 years 4 months    |
|  |   |   |   |   |   |   |   |   |   |
| **Asst. prof. /Lecturer**  | GMERS Medical College, Valsad  | 9.3.13  | 2.12.13  | 8 months  |  |  |  |  | 19 years 9 months  |
|  |   |   |   |   |  |  |  |  | 12 year 9 months  |
|  |   |   |   |   |  |  |  |  | 13 years 6 months  |
|  |   |   |   |   |  |  |  |  | 2 years 6 months  |
|  | Government Dental College, Ahmedabad  Government Medical College, Surat  | 27.11.09   23.11.20  | 31.10.19   Till date  | 9 years 11 months    |  |  |  |  | 33 years 10 months  |
| **Demonstrator/Tut or**  |  |  |  |  |  |  |  |  | 10 years 11 months  |
|  |  |  |  |  |  |  |  |  | 5 years 8 months  |
|  |  |  |  |  |  |  |  |  | 10 year 11 months  |
|  |  |  |  |  |  |  |  |  | 7 years 10 months  |
|  |  |  |  |  |  |  |  |  | 2 months  |
| **Any other** **Category** **(Resident)**  |  |  |  |  |  |  |  |  |   |

* 1. **List of non-teaching staff:**

**Name (s) of staff members**

* + 1. Technical Staff
		2. Technicians Mrs. Meena Nayak
		3. Store keeper-cum-clerk Mr. Dhaval Rana
		4. Steno-typist Nil
		5. Laboratory Attendants Mr. Ashok Tayde
		6. Any other category Mr. Subhash Sheth

**C. Buildings:**

 (i) **Demonstration Room:**

1. Number 6

1. Accommodation

* + Size 30 X 20 ft and 20 X 20 ft

* + Capacity 75 Each

1. Audio-Visual equipment available: Available 2OHP, 2 slide projectors

1. **PRACTICAL LABORATORIES:**

 **Computer Assisted Laboratory Clinical Pharmacology & Pharmacy**

a) Accommodation

* + - Size 168 sq.m +168 sq.m (Shared with Physiology Dept.) 190 sq. m
		- Capacity 30 100

 b) Working arrangement

• Seats available 30 80

 c) Main Equipment available: Appendix 5

 a) Ante-room/preparation room

* + - Size 15 sqm
		- Location Near Laboratory

b) Whether Laboratory Manuals Kept by students?

* + - Yes
		- ~~No~~

 c) Close circuits TV/any other teaching aids: CCTV- Two, One Computer with projector

1. **Museum:**

* + 1. **Size** : 180 Sqm
		2. **How are the drug sample arranged?** : System vise and Classification vise in cupboard

* + 1. **Number of catalogues of the samples available to the students:** Information about drug samples is displayed in the museum and formulation- availability information is provided to each student as that forms part of their practical-session training. 20 catalogs are also available

* + 1. **Total number of drug samples:** About 300 of various categories
		2. **List of charts, photograph and other exhibits and their arrangement**: Illustrations about 100 on classification etc. Some are displayed in the museum.

* + 1. **Is there any section depicting “History of Medicine”**: Yes

1. **Departmental Library-cum-Seminar Room:**

* + 1. Is there a separate departmental library? Yes
		2. Accommodation
		- Size 60 Sqm
		- Capacity 30

* + 1. Number of Books in Pharmacology? 539

* + 1. List of Journals : Indian Journal of Pharmacology

1. **Research Laboratory :**

* + 1. Size 50 Sqm
		2. Provide list of Equipment Appendix No 3.

* + 1. Are there any students taken for M.D. or Ph.D. in Pharmacology?

Yes

If so how many per year during the last three years.

* + 1. Diploma Nil
		2. Degree 5

d) List of publications by the members of the staff ONLY during the preceding 3 years as per MCI/NMC requirements ?

* 1. Navadiya V , Sinha A, Barejia A, Gohil N, Malam P, Shah A. Effect of atorvastatin on serum levels of lipase and amylse in patients of hyperlipidemia in a tertiary care hospital. Jorunal of clinical and diagnostic research.

2018:2(9);FC09-12

* 1. Patel P, Patel S, Patel K, Malhotra S. Medication adherence in patients with type 2 diabetes mellitus: a study at tertiary care teaching hospital. DOI :

10.20959/wjpps20186-11826

* 1. Bhargava V, Acharya C. Comparing the effects of olanzapine and aripiprazole in rat animal model using heart rate variability : An emerging parameter of cardiovascular safety. DOI: 10.7860/JCDR/2019/41807.13291

* 1. Acharya C. Streptomycin induced nephrotoxicity :generation of free radicals and antioxidant effect of vitamin C. IP International journal of comprehensive and advanced pharmacology, October-December, 2019 ;4(4)

* 1. Shah A, Verma R, Yadav P, Patel J.Drug utilization study of antipsychotic drugs in the psychiatry outpatient department of a tertiary care hospital.Natl J Physiol

Pharm Pharmacol 2019;9(11) : 1111-1116

* 1. Patel C, Patel D, Patel D. Study of effect of metformin on lipid profile in type 2 diabetes mellitus in a tertiary care teaching hospital. IJPSR (2019), Volume 10(12) : 1000-06

* 1. Patel S, Chaudhari M, Patel N. Evaluation of potential drug-drug interaction in indoor patients of pediatric department of tertiary care hospital. Natl J Physiol

Pharm Pharmacol 2019; 9(10) : 1012-1016

* 1. Joshi A, Patel C, Kantharia N. Effect of leptin on spatial learning and memory and blood glucose level in streptozocin induced diabetes mellitus in male wistar albino rats. Pissn 2319-2003/ Eissn 2279-0780

* 1. Lapsiwala B, Patel C, Halpati M, Kantharia N. Study of adverse cutaneous drug reaction in dermatology department at tertiary care teaching hospital. ISSN 2349-8870(2020); Volume 7(2): 504-508

 e) Current areas of research

* + 1. A study of covid19 infected patients with hypertension as co morbidity and on antihypertensive drug therapy at a tertiary care hospital in surat. By Dr Anita Sinha as PI and Dr Mayur Chaudhari as Co-PI
		2. A study of covid19 patients with diabetes mellitus as comorbidity and on antidiabetic drug therapy at a tertiary care hospital in surat. By Dr.Mayur Chaudhari as PI and Dr Anita Sinha as Co-PI
		3. Prospective observational study on effect of olanzapine on heart rate variability in patients of Schizophrenia and brief psychotic episode. By Dr. Kishan Patel and Dr. N.D Kantharia
		4. Impact of 1st line anti tubercular drugs on heart rate variability in category 1 tuberculosis patients at tertiary care hospital.By Dr. Disha Patel and Dr. Chetan Acharya
		5. Adverse Drug Reaction Monitoring in Anti-Tubercular Treatment alone and in combination with Highly Active Anti-Retroviral Therapy. By Dr. Bhargav Darji and Dr. Preeti Yadav
		6. Evaluation of adverse drug reactions of anticancer drugs used in cancer treatment in a tertiary care teaching hospital, Gujarat.By Dr. Bhargavi patel and Dr. Chetna Patel
		7. Effect of Vitamin-C Supplementation on Sputum Conversation Rate of Category-1 Pulmonary Tuberculosis Patients in Intensive Phase Antitubercular Therapy -A Prospective Observational Study. By Dr.

Mrugank Patel and Dr. Anita Sinha

* + 1. Study of Adverse Drug Reactions in outpatients and inpatients of Medicine Department in a Tertiary Care Hospital: A Cross-sectional Study. By Dr. Jeenal Patel and Dr. Chetan Acharya
		2. Cohort event monitoring of artemisinin derivatives in patients treated for uncomplicated malaria in tertiary care teaching hospital. By Dr. Jigar chotaliya and Dr. Chetna Patel
		3. Effect of chlorthalidone on heartrate variability in newly diagnosed patients of systemic hypertension in a tertiary care hospital: A prospective observational study. By Dr. Jatin Pathak and Dr. N.D Kantharia
		4. Effect of metformin on heart rate variability in newly diagnosed type 2 diabetes mellitus patients at tertiary hospital. By Dr. Khushbu Rathod and Dr. Preeti Yadav
		5. A Retrospective analysis of pharmacoeconomics and drug utilization study in drug resistant tuberculosis at tertiary care hospital, Gujarat. By Dr. Vijita Shah and Dr. Chetna Patel
		6. A cross sectional study of effect of antiepileptic drugs on quality of life and their side effects in pediatric epilepsy patients in a tertiary care hospital. By Dr. Sana Turki and Dr. Mayur Chaudhari
		7. Correlation of anticholinergic agents in patients with schizophrenia on antipsychotic therapy and extra pyramidal side effects. By Dr. Pradip Sodha and Dr. Preeti Yadav
		8. An observational study on outcome of anti-tubercular and anti-diabetic therapy in patients of tuberculosis with diabetes mellitus as comorbidity. By Dr. Jeenal Mistry and Dr. Anita Sinha
		9. A retrospective study on drug utilization patterns and cost analysis of drugs used in covid 19 positive patient hospitalizes at tertiary care hospital. By Dr. Manoj Halpati and Dr. Chetan Acharya

f)Do Undergraduate students participate in research ?Yes

1. **Office Accommodation**
	* 1. Professor and HOD : 60 Sqm

* + 1. Associate Professors/Readers : 40+ 40 Sqm

* + 1. Asst. Professors/Lecturers : 40+40 Sqm

* + 1. Tutors/Demonstrators : 40+15 Sqm

* + 1. Non-teaching and clerical staff : 15 Sqm

**D. TEACHING PROGRAMME:**

1. Lectures :

 149 ( Didactic + Interactive + Online)

1. Demonstrations: 18 demonstrations

1. Tutorials 40 Tutorials

1. Seminars

* + conducted during the year. 10-12 Student seminar
	+ Number of students attending each: Whole Batch

1. Practicals: 12 Experimental and 12 Clinical Pharmacy

1. Any other teaching/training activities :

Problem based & Clinical case presentation from wards

1. Is there any integrated teaching? Yes

1. Records Methods of Assessment thereof :

 II. Methods of Assessment :

 Terminal examination (Theory+Practical) at the end of the term & day to day Assessment in every practical

(Time table of lectures, demonstrations, seminars, tutorials, practical and dissection may be given).

(Teaching schedule to be given). Appendix 5

Do all teaching areas including laboratories in your department have live streaming capability ?

Yes/~~No~~

If not,which areas do not have live streaming capability ? List the areas.

Are any of the teaching areas including Museums of your department shared with any other department/s ?

~~Yes~~/No

If yes, provide details

Signature of Head of the Department

 **Appendix 3 – List of instruments**

|  |  |  |
| --- | --- | --- |
| **Sr. No**  | **Name of Equipment/Instrument**  | **Functional Status**  |
| 1  | Polygraph two channel  | Working  |
| 2  | Hot plate analgesiometer  | Working  |
| 3  | Pressure analgesiometer  | Working  |
| 4  | Rota rod assembly  | Working  |
| 5  | Animal Activity monitor  | Working  |
| 6  | Automatic cardiac output  | Working  |
| 7  | Volume differential meter  | Working  |
| 8  | Microscope controlled syring pump  | Working  |
| 9  | Weighing scale  | Working  |
| 10  | Polygraph system, Gibson with primplifiers, coupler, sensors7,transducers with two channel recorder  | Working  |
| 11  | UV-VIS Spectrophotometer  | Working  |
| 12  | Weighing balance Dhona 1.sensitive microbalance, Torsion balance  | Working  |
| 13  | Cautery machine  | Working  |
| 14  | Tele-thermometer with probes  | Working  |
| 15  | Over head projector  | Working  |
| 16  | Slide projector & Epidiascope  | Working  |
| 17  | Rotary compression pump  | Working  |
| 18  | Automatic slow injection appratus  | Working  |
| 19  | pH meter with suitable electrode  | Working  |
| 20  | Automatic drop recorder palmer  | Working  |
| 21  | Jacquet's perfusion pump  | Working  |
| 22  | Chromatography chambers  | Working  |
| 23  | Oven  | Working  |
| 24  | Stereotaxic instrument assembly with table  | Working  |
| 25  | Sherringtons Starling's kymograph  | Working  |
| 26  | Multiple speed recording drum  |   |
| 27  | centrifuge machine  | Working  |
| 28  | Electrophoresis apparatus  | Working  |
| 29  | flame photometer  | Working  |

|  |  |  |
| --- | --- | --- |
| 30  | Students microscope  | Working  |
|  31  | Active & Passive avoidance response shuttle box  | Working  |
| 32  | Water De-ionisers  | Working  |
| 33  | Electrical incubator  | Working  |
| 34  | Lyophilizer with accessories  | Working  |
| 35  | Micrifuge Micro centrifuge  | Working  |
| 36  | U V Transilluminator with photographic attachment with camera  | Working  |
| 37  | Organ bath  | Working  |

 **Appendix 5: Teaching Schedule**

 **Department of Pharmacology, GMC, Surat**

|  |  |  |  |
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| **Sr nu**  | **Date & Day**  | **Time**  | **Name of Topic**  |
| 1.  | 28-08-2018 Tuesday  | 4-5 PM  | Introduction to Pharmacology  |
| 2.  | 29-08-2018 Wednesday  | 4-5 PM  | Introduction to Pharmacology  |
| 3.  | 31-08-2018 Friday  | 4-5 PM  | General Pharmacology  |
| 4.  | 04-09-2018 Tuesday  | 4-5 PM  | Routes of Drug administration  |
| 5.  | 05-09-2018 Wednesday  | 4-5 PM  | Pharmacokinetic-1  |
| 6.  | 07-09-2018 Friday  | 4-5 PM  | Pharmacokinetics - 2  |
| 7.  | 10-09-2018 Monday  | 4-5 PM  | Pharmacokinetics -3  |
| 8.  | 11-09-2018 Tuesday  | 4-5 PM  | Pharmacokinetics - 4  |
| 9.  | 12-09-2018 Wednesday  | 4-5 PM  | Pharmacokinetics -5  |
| 10. |  14-09-2018 Friday  | 4-5 PM  | Pharmacokinetics - 6  |
| 11. |  17-09-2018 Monday  | 4-5 PM  | Plasma half life, loading & maintenance dose, prolongation of drug action  |

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| 12. |  18-09-2018 Tuesday  | 4-5 PM  | Pharmacodynamics: Action & mechanism of action, enzymes, ion channels, transportation  |
| 13. |  19-09-2018 Wednesday  | 4-5 PM  | Pharmacodynamics: Receptors  |
| 14. |  24-09-2018 Monday  | 4-5 PM  | Pharmacodynamics: DRC, drug potency, efficacy, selectivity & specificity  |
| 15. |  26-09-2018 Wednesday  | 4-5 PM  | Pharmacodynamics: Combined effects of Drugs  |
| 16. |  28-09-2018 Friday  | 4-5 PM  | Pharmacodynamics: Drug dosage, factors modifying drug action  |
| 17. |  01-10-2018 Monday  | 4-5 PM  | Tutorial: Pharmacokinetics  |
| 18. |  03-10-2018 Wednesday  | 4-5 PM  | Tutorial: Pharmacokinetics  |
| 19. |  05-10-2018 Friday  | 4-5 PM  | Adverse Drug reactions  |
| 20. |  08-10-2018 Monday  | 4-5 PM  | Rational Prescribing  |
| 21. |  09-10-2018 Tuesday  | 4-5 PM  | Clinical trials  |
| 22. |  10-10-2018 Wednesday  | 4-5 PM  | Introduction to Autonomic nervous system  |
| 23. |  12-10-2018 Friday  | 4-5 PM  | Cholinergic drugs -1  |
| 24. |  15-10-2018 Monday  | 4-5 PM  | Cholinergic drugs -2  |
| 25. |  16-10-2018 Tuesday  | 4-5 PM  | Cholinergic drugs -3  |
| 26. |  17-10-2018 Wednesday  | 4-5 PM  | Cholinergic drugs -4  |
| 27. |  19-10-2018 Friday  | 4-5 PM  | Anticholinergic drugs -1  |
| 28. |  22-10-2018 Monday  | 4-5 PM  | Anticholinergic drugs -2  |
| 29. |  23-10-2018 Tuesday  | 4-5 PM  | Sympathomimetic drugs -1  |
| 30. |  24-10-2018 Wednesday  | 4-5 PM  | Sympathomimetic drugs -2  |
| 31. |  26-10-2018 Friday  | 4-5 PM  | Sympathomimetic drugs -3  |
| 32. |  29-10-2018 Monday  | 4-5 PM  | Sympathomimetic drugs -4  |
| 33. |  30-10-2018 Tuesday  | 4-5 PM  | Sympatholytic drugs -1  |
| 34. |  02-11-2018 Friday  | 4-5 PM  | Sympatholytic drugs -2  |
| 35. |  05-11-2018 Monday  | 4-5 PM  | Sympatholytic drugs -3  |
| 36. |  06-11-2018 Tuesday  | 4-5 PM  | Neuromuscular blockers+ Drugs acting on ganglia  |

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| 37. |  12-11-2018 Monday  | 4-5 PM  | Drug therapy of bronchial asthma- 1  |
| 38. |  13-11-2018 Tuesday  | 4-5 PM  | Drug therapy of bronchial asthma -2  |
| 39. |  14-11-2018 Wednesday  | 4-5 PM  | Cough Suppressants  |
| 40. |  16-11-2018 Tuesday  | 4-5 PM  | Drugs acting on Histamine  |
| 41. |  19-11-2018 Monday  | 4-5 PM  | Drugs acting on Serotonergic system  |
| 42. |  20-11-2018 Tuesday  | 4-5 PM  | Drugs acting on prostaglandins  |
| 43. |  26-11-2018 Monday  | 4-5 PM  | Drugs for Acid peptic diseases 1  |
| 44. |  27-11-2018 Tuesday  | 4-5 PM  | Drugs for acid peptic diseases 2  |
| 45. |  28-11-2018 Wednesday  | 4-5 PM  | Drugs for Acid peptic diseases 3  |
| 46. |  30-11-2018 Friday  | 4-5 PM  | Drugs for diarrhoea  |
| 47. |  03-12-2018 Monday  | 4-5 PM  | Drugs for constipation  |
| 48. |  04-12-2018 Tuesday  | 4-5 PM  | Antiemetics -1  |
| 49. |  05-12-2018 Wednesday  | 4-5 PM  | Antiemetics -2  |
| 50. |  07-12-2018 Friday  | 4-5 PM  | Intro to DM+Insulin  |
| 51. |  10-12-2018 Monday  | 4-5 PM  | Insulin -2  |
| 52. |  11-12-2018 Tuesday  | 4-5 PM  | Insulin -3  |
| 53. |  12-12-2018 Wednesday  | 4-5 PM  | Oral hypoglycaemic agents -1  |
| 54. |  14-12-2018 Friday  | 4-5 PM  | Oral hypoglycaemic agents -2  |
| 55. |  17-12-2018 Monday  | 4-5 PM  | Haematinics and Erythropoietin -1  |
| 56. |  18-12-2018 Tuesday  | 4-5 PM  | Haematinics and Erythropoietin – 2  |
| 57. |  19-12-2018 Wednesday  | 4-5 PM  | Haematinics and erythropoietin -3  |
| 58. |  21-12-2018 Friday  | 4-5 PM  | Drugs related to coagulation, bleeding and thrombosis -1  |
| 59. |  24-12-2018 Monday  | 4-5 PM  | Drugs related to coagulation, bleeding and thrombosis -2  |
| 60. |  26-12-2018 Wednesday  | 4-5 PM  | Drugs related to coagulation, bleeding and thrombosis -3  |
| 61. |  28-12-2018 Friday  | 4-5 PM  | Drugs related to coagulation, bleeding and thrombosis -4  |
| 62. |  31-12-2018 Tuesday  | 4-5 PM  | Lipid lowering agents -1  |
| 63. |  01-01-2019 Tuesday  | 4-5 PM  | Lipid lowering agents -2  |

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| 64. |  04-01-2019 Friday  | 2-4 PM  | NSAIDs -1  |
| 65. |  07-01-2019 Monday  | 3-5 PM  | NSAIDs – 2  |
| 66. |  08-01-2019 Tuesday  | 4-5 PM  | NSAIDs-3  |
| 67. |  01-02-2019 Friday  | 2-4 PM  | Gout  |
| 68. |  04-02-2019 Monday  | 3-5 PM  | Rheumatoid arthritis  |
| 69. |  05-02-2019 Tuesday  | 4-5 PM  | Migraine  |
| 70. |  08-02-2019 Friday  | 2-4 PM  | Opioids -1  |
| 71. |  11-02-2019 Monday  | 4-5 PM  | Opioids -2  |
| 72. |  12-02-2019 Tuesday  | 3-5 PM  | General anaesthetics -1  |
| 73. |  15-02-2019 Friday  | 2-4 PM  | General anaesthetics -2  |
| 74. |  18-02-2019 Monday  | 3-5 PM  | Local Anaesthetics  |
| 75. |  19-02-2019 Tuesday  | 4-5 PM  | Alcohol -1  |
| 76. |  22-02-2019 Friday  | 2-4 PM  | Alcohol -2  |
| 77. |  25-02-2019 Monday  | 3-5 PM  | Sedative Hypnotics  |
| 78. |  26-02-2019 Tuesday  | 4-5 PM  | Sedative Hypnotics + Anxiolytics  |
| 79. |  01-03-2019 Friday  | 2-4 PM  | Antiepileptics -1  |
| 80. |  04-03-2019 Monday  | 3-5 PM  | Antiepileptics -2  |
| 81. |  05-03-2019 Tuesday  | 4-5 PM  | Antiepileptics -3  |
| 82. |  08-03-2019 Friday  | 2-4 PM  | Parkinson’s Disease- 1  |
| 83. |  11-03-2019 Monday  | 3-5 PM  | Parkinson’s Disease -2  |
| 84. |  12-03-2019 Tuesday  | 4-5 PM  | Antimania Drugs  |
| 85. |  15-03-2019 Friday  | 2-4 PM  | Antidepressants  |
| 86. |  18-03-2019 Monday  | 3-5 PM  | Antipsychotics  |
| 87. |  19-03-2019 Tuesday  | 4-5 PM  | General principles of deaddiction programme  |
| 88. |  22-03-2019 Friday  | 2-4 PM  | Diuretics -1  |
| 89. |  25-03-2019 Monday  | 3-5 PM  | Diuretics -2  |
| 90. |  26-03-2019 Tuesday  | 4-5 PM  | Drugs affecting RAS -1  |

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| 91. |  29-03-2019 Friday  | 2-4 PM  | Drugs affecting RAS -2  |
| 92. |  01-04-2019 Monday  | 3-5 PM  | α blockers, β blockers, α+β blockers  |
| 93. |  02-04-2019 Tuesday  | 4-5 PM  | Central sympatholytics+ Adrenergic neuron blockers  |
| 94. |  05-04-2019 Friday  | 2-4 PM  | Calcium Channel blockers  |
| 95. |  08-04-2019 Monday  | 3-5 PM  | Calcium Channel blockers +Vasodilators  |
| 96. |  09-04-2019 Tuesday  | 4-5 PM  | Vasodilators+ Ganglion blockers  |
| 97. |  12-04-2019 Friday  | 2-4 PM  | General principles of hypertension-1  |
| 98. |  15-04-2019 Monday  | 3-5 PM  | Ischemic heart disease -1  |
| 99. |  16-04-2019 Tuesday  | 4-5 PM  | Ischemic heart disease -2  |
| 100 | 19-04-2019 Friday  | 2-4 PM  | Ischemic heart disease -3  |
| 101 | 22-04-2019 Monday  | 3-5 PM  | Congestive cardiac failure-1  |
| 102 | 23-04-2019 Tuesday  | 4-5 PM  | Congestive cardiac failure -2  |
| 103 | 26-04-2019 Friday  | 2-4 PM  | Congestive cardiac failure – 3+ MI  |
| 104 | 29-04-2019 Monday  | 3-5 PM  | Shock  |
| 105 | 30-04-2019 Tuesday  | 4-5 PM  | Antiarrhythmic drugs -1  |
| 106 | 03-05-2019 Friday  | 2-4 PM  | Antiarrhythmic drugs -2  |
| 107 | 06-05-2019 Monday  | 3-5 PM  | Antiarrhythmic drugs -3  |
| 108 | 07-05-2019 Tuesday  | 4-5 PM  | General principles of chemotherapy -1  |
| 109 | 10-05-2019 Friday  | 2-4 PM  | General principles of chemotherapy -2  |
| 110 | 13-05-2019 Monday  | 3-5 PM  | General principles of chemotherapy -3  |
| 111 | 14-05-2019 Tuesday  | 4-5 PM  | Beta lactams -1  |
| 112 | 17-05-2019 Friday  | 2-4 PM  | Beta lactams -2  |
| 113 | 20-05-2019 Monday  | 3-5 PM  | Beta lactams -3  |
| 114 | 21-05-2019 Tuesday  | 4-5 PM  | Sulfonamides  |
| 115 | 24-05-2019 Friday  | 2-4 PM  | Macrolides  |
| 116 | 27-05-2019 Monday  | 3-5 PM  | Aminoglycosides  |
| 117 | 28-05-2019 Tuesday  | 4-5 PM  | Tetracyclines  |

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| 118 | 31-05-2019 Friday  | 2-4 PM  | Chloramphenicol  |
| 119 | 17-06-2019 Monday  | 3-5 PM  | Miscellaneous antimicrobial agents  |
| 120 | 18-06-2019 Tuesday  | 4-5 PM  | Fluoroquinolones  |
| 121 | 21-06-2019 Friday  | 2-4 PM  | Drugs for UTI  |
| 122 | 24-06-2019 Monday  | 3-5 PM  | Drugs for STD  |
| 123 | 25-06-2019 Tuesday  | 4-5 PM  | Antimalarial agents  |
| 124 | 28-06-2019 Friday  | 3-5 PM  | Antimalarial agents  |
| 125 | 02-07-2019 Tuesday  | 3-4 PM  | Antimalarial agents  |
| 126 | 05-07-2019 Friday  | 2-3 PM  | Antiamoebic drugs  |
| 127 | 09-07-2019 Tuesday  | 3-4 PM  | Drugs for Leprosy  |
| 128 | 12-07-2019 Friday  | 2-3 PM  | Drugs for Tuberculosis-1  |
| 129 | 16-07-2019 Tuesday  | 3-4 PM  | Drugs for Tuberculosis-2  |
| 130 | 19-07-2019 Friday  | 2-3 PM  | Drugs for Tuberculosis-3  |
| 131 | 23-07-2019 Tuesday  | 3-4 PM  | Drugs for Tuberculosis-4  |
| 132 | 26-07-2019 Friday  | 2-3 PM  | Anthelminthic drugs  |
| 133 | 30-07-2019 Tuesday  | 3-4 PM  | Antiviral  |
| 134 | 02-08-2019 Friday  | 2-3 PM  | Antiviral+ HIV  |
| 135 | 06-08-2019 Tuesday  | 3-4 PM  | Antiviral+ HIV  |
| 136 | 09-08-2019 Friday  | 2-3 PM  | Antifungals drugs  |
| 137 | 13-08-2019 Tuesday  | 3-4 PM  | Cancer chemotherapy  |
| 138 | 16-08-2019 Friday  | 2-3 PM  | Corticosteroids  |
| 139 | 20-08-2019 Tuesday  | 3-4 PM  | Corticosteroids  |
| 140 | 23-08-2019 Friday  | 2-3 PM  | Corticosteroids  |
| 141 | 27-08-2019 Tuesday  | 3-4 PM  | Anterior Pituitary Hormones  |
| 142 | 30-08-2019 Friday  | 2-3 PM  | Female Sex Hormones  |
| 143 | 03-09-2019 Tuesday  | 3-4 PM  | Female Sex Hormones  |
| 144 | 06-09-2019 Friday  | 2-3 PM  | Male Sex Hormones  |
| 145 | 10-09-2019 Tuesday  | 3-4 PM  | Thyroid Hormones  |
| 146 | 13-09-2019 Friday  | 2-3 PM  | Thyroid Hormones  |
| 147 | 17-09-2019 Tuesday  | 3-4 PM  | Calcium Metabolism  |
| 148 | 20-09-2019 Friday  | 2-3 PM  | Drugs acting on uterus  |
| 149 | 24-08-2019 Tuesday  | 3-4 PM  | Drugs in Pregnancy and Lactation  |