



महाराष्ट्र आरोग्य विज्ञान विद्यापीठ, नाशिक
MAHARASHTRA UNIVERSITY OF HEALTH SCIENCES, NASHIK

दिंडोरो रोड, म्हस्रुळ, नाशिक - ४२२००४ Dindori Road, Mhasrul, Nashik - 422004

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Website: www.muhs.ac.in, E-mail: academicmedical@muhs.ac.in

डॉ. राजेंद्र शिवाजी बंगाळ

एम.बी.बी.एस, एम.डी (न्यायवैद्यकशास्त्र), डी.एन.बी, एल.एल.बी.

कुलसचिव

Dr. Rajendra Shivaji Bangal

M.B.B.S, M.D. (Forensic Medicine), D.N.B, L.L.B.

Registrar

No. MUHS/E-1/UG/39/101102/ 533/2024

Date: 11/9/2024

Continuation /Extension of Affiliation letter for Academic Year 2024-25

To,
The Dean,
Seth G.S.Medical Medical College &
K.E.M.Hospital,
Acharya Donde Marg,
Parel, Mumbai - 400 012.

Sub.: Continuation / Extension of Affiliation " B.Sc. in Paramedical Technology"
for Academic Year 2024-25.

Ref.: 1) University Direction No. 02/2016.

2) University Academic Council Resolution No. 99/2024 dated 23/04/2024.

Sir/Madam,

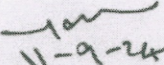
As per the provision under Section 68 of Maharashtra University of Health Sciences Act, 1998, I am directed to inform you that your College is granted Continuation of Affiliation to the **B.Sc. in Paramedical Technology** (as per Govt. Resolution No. एमईडी १००५/प्र.क्र. ३३६/०५/शिक्षण -१ दिनांक २१/०७/२००९ आणि एमईडी २०१८/प्र.क्र.१२९/१८/शिक्षण -१ दिनांक ०८/०३/२०१९.) in following subjects as per intake capacity shown against each for the A.Y. 2024-25 The intake capacity shall be as follows.

Sr. No.	Name of Subjects	Intake Capacity
01	B.Sc.(Paramedical Technology – Radiography)	10
02	B.Sc.(Paramedical Technology - Operation Theater)	10
03	B.Sc.(Paramedical Technology – Perfusion Technician)	05
04	B.Sc.(Paramedical Technology – Cardiology)	05
05	B.Sc.(Paramedical Technology - Neurology)	05

Kindly note that the above permission is subject the Rules and Regulations made by the Government of Maharashtra and the University, as amended from time to time.

Thanking you,

Yours faithfully,


11-9-24
Registrar

Copy to:

The Secretary, Medical Education & Drugs Department, Mantralaya, Mumbai.

The Director, Directorate of Medical Education & Research, Mumbai

The Controller of Examinations, M.U.H.S., Nashik.

The HOD, Eligibility Section, M.U.H.S., Nashik.

The HOD, Computer Section, M.U.H.S., Nashik.

शेठ गो सुं वैद्यकीय महाविद्यालय
परेल, मुंबई-400 012.

दिनांक 16 SEP 2024

वेळ: 11,12,1,2,3,4,5
आवक क्र: 904/556

Maharashtra University of Health Sciences, Nashik
Local Inquiry Committee Report
For Academic Year 2024 -- 2025
(For Grant of Continuation / Extension of Affiliation
for affiliated B.Sc. in Paramedical Technology Colleges

College Code: 1102_

Date of Inspection : _____ / _____ / _____

Name of College : Seth G.S.M.C & KEM Hospital Parel Mumbai -12

Sr. No.	Particulars to be verified	Remark of the LIC
1	Course Conducted	B.Sc in Paramedical Technology (Operation Theater)
2	Numbers of Students Enrolled	25(9+9+7)
3	Separate Class available/Not available	Yes
4	Curriculum Followed/Not Followed	Followed
5	Timetable/Duty/Theory/Practical Conducted Yearly	Yes
6	Separate List of Books for BPMT	Yes
7	Library Reading Area: Available/Not Available	Available
8	Hostel Facility: Available/Not Available	Not Available

Data Verified by the Committee members:

Member

Member

Member

Chairman

Maharashtra University of Health Sciences, Nashik

Local Inquiry Committee Report

For Academic Year--.....

(For Grant of Continuation / Extension of Affiliation for affiliated B.Sc. in Paramedical Technology Colleges

College Code: _____ Date of Inspection : ___/___/___

Name of College : _____

Sr. No.	Particulars to be verified	Remark of the LIC
1	Course Conducted	
2	Numbers of Students Enrolled	
3	Separate Class available /Not available	
4	Curriculum Followed/ Not Followed	
5	Time table/Duty/ Theory/ Practical Conducted Yearly	
6	Separate List of Books for BPMT	
7	Library Reading Area : Available/ Not Available	
8	Hostel Facility : Available/ Not Available	

Data Verified by the Committee members:

Member

Member

Member

Chairman

DEPARTMENT OF ANAESTHESIA

Seth G. S. Medical College & KEM Hospital, Parel, Mumbai - 12

Attendance Sheet for MUHS Inspection

Date : 14/02/2025

Sr. No.	Name of Faculty Member	Designation	Signature	Signature
1	Dr. Amala Gurunath Kudalkar	Professor & Head	ON LEAVE	
2	Dr. Deepa Ghanashyam Kane	Professor	<u>Kane</u>	
3	Dr. Sweta Viraj Salgaonkar	Professor	ON LEAVE	
4	Dr. Prerana Nirav Shah	Professor	ON LEAVE	
5	Dr. Manali Mohan Nadkarni	Professor	<u>mnadkarni</u>	
6	Dr. Madhavi Shiva Buddhi	Professor (Additional)	<u>B. Madhavi</u>	
7	Dr. Shashikant Sahadev Shinde	Professor (Additional)	<u>Shinde</u>	
8	Dr. Aarti Dwarkanath Kulkarni	Professor (Additional)	<u>A. Kulkarni</u>	
9	Dr. Shrikanta Pradyumna Oak	Professor (Additional)	<u>S. Oak</u>	
10	Dr. Yogita Sanjivkumar Patil	Professor (Additional)	<u>Yogita</u>	
11	Dr. Pallavi Vikram Waghalkar	Professor (Additional)	ON LEAVE	
12	Dr. Nirav Madhusudan Kotak	Associate Professor	ON LEAVE	
13	Dr. Sanjeevani Ramdas Zadkar	Associate Professor	<u>S. Zadkar</u>	
14	Dr. Vaishali Prabhakar Chaskar	Associate Professor	<u>V. Chaskar</u>	
15	Dr. Priti Shreyash Devalkar	Associate Professor (Additional)	<u>P. Devalkar</u>	
16	Dr. Sunil Pandurang Chapane	Associate Professor (Additional)	<u>S. Chapane</u>	
17	Dr. Shraddha Devendra Devrukhkar	Associate Professor (Additional)	<u>S. Devrukhkar</u>	
18	Dr. Yogesh Bhanudas Naik	Assistant Professor	<u>Y. Naik</u>	
19	Dr. Shamala Dinkar Yashod	Assistant Professor	<u>S. Yashod</u>	
20	Dr. Isha Singhal	Assistant Professor	<u>I. Singhal</u>	
21	Dr. Uma Pandurang Kamat	Assistant Professor	<u>U. Kamat</u>	

PROFESSOR
DEPT 14/2/25
SETH G. S. M. C. & H. M. H.

DEPARTMENT OF ANAESTHESIA

Seth G. S. Medical College & KEM Hospital

14/2/25

B.Sc. Paramedical Technician (B.P.M.T.) 2024-25 (1st Year)			
1	Telange Anamika Chandrakant	<i>Anamika</i>	<i>OPERATION THEATRE</i>
2	Kotkar Atharva Anant	<i>Atharva</i>	
3	Patil Bhumika Pradeep	<i>Bhumika</i>	
4	Patil Dakshata Sunil	<i>Dakshata</i>	
5	Shaikh Naved Ibrahim	<i>Naved</i>	
6	Navale Pranali Ramdas	<i>Pranali</i>	
7	Ahir Ruchika Dinesh	<i>Ruchika</i>	
8	Mandavkar Sonal Sunil	<i>Sonal</i>	
9	Dalvi Urvi Rajesh	<i>Urvi</i>	

B.Sc. Paramedical Technician (B.P.M.T.) 2023-24 (1st Year Sr.)			
1	Ketaki Sandeep Khatau		
2	Nidhi Dipak Borle		
3	Megha Mangesh Chinchvalkar		
4	Nikita Suresh Gavitt		
5	Nisha Fatima Shabbar Raza Kazmi		
6	Preeti Chinnilal Kurmi		
7	Sadiya Abdul Khalid Parkar		
8	Tanvi Anil Prabhu		
9	Prachi Deepak Shirsath		

B.Sc. Paramedical Technician (B.P.M.T.) (3rd Year)			
1	Omkar Dinesh Gotarne	<i>Gotarne</i>	
2	Priya Ramesh Patil	<i>Priya</i>	
3	Bushra Mohd. Iqbal Khan	<i>Bushra</i>	
4	Tejaswini Motilal Thingle	<i>Tejaswini</i>	
5	Kajal Rambhunath Gupta		
6	Suraj Tukaram Pande	<i>Suraj</i>	
7	Aditi Nilesh Shinde	<i>Aditi</i>	

B.Sc. Paramedical Technician (B.P.M.T.) (Intern)			
1	Poornima Tukaram Mane	<i>P.T. Mane</i>	
2	Mehak Firdos Farhan Qureshi	<i>Mehak</i>	
3	Aakanksha Ramesh Dubule		
4	Shruti Anil Pendhare	<i>Pendhare</i>	
5	Komal Kishanrao Aasewar	<i>Kasawat</i>	

PROFESSOR & HEAD
DEPT. OF ANAESTHESIOLOGY
SETH G. S. M. C. & K. E. M.
MUMBAI - 400 012

Mane
14/2/25

B.Sc Paramedical
Technology
[Operation Theatre]
Duty - Microbiology

DEPARTMENT OF MICROBIOLOGY
SETH GSMC & KEMH PAREL, MUMBAT-12

Date: 23.01.25

Lecture schedule: BPMT-OT Anaesthesia (Ist yr.) 2024 batch & BPMT- Perfusion (Ist yr.) 2024 batch.

Lecture: 12pm-1 pm; Venue: Microbiology class, 1st floor College building.

Note :

Date/Day	Lecture Topic	Teacher
	COMBINE LECTURES (OT & PERFUSION)	
Monday 27.01.25	Common types of bacteria and their characteristics	Dr Shreeraj
Wednesday 29.01.25	Bacteria: Mode of spread and effects	Dr Swapnil
Thursday 30.01.25	Principles of asepsis/disinfection /Prevention of cross infections & antiseptics used in O. T.	Dr Mitali
Monday 03.02.25	Sterilization techniques: Autoclave parts/ principle/ working/care/maintenance	Dr Priyank
Wednesday 05.02.25	Sterilization of blunt/sharp instruments/rubber material/ gloves/polythene tubes/ sutures /ligatures/surgical cautery Central Sterile supply room CSSD	Dr Akshay
Thursday 06.02.25	Biomedical waste: colour code/ needle destruction/Personal care/Std precautions	Dr. Shreeraj Talwadekar
Monday 10.02.25	Biosafety	Dr. Shreeraj Talwadekar
Wednesday 12.02.25	Sterilization of O.T- Fumigation/Fogging	Dr Swapnil
Thursday 13.02.25	Methods of swab collection from O.T. after fumigation. Collection and dispatch of samples for Sterility	Dr Sonal
Monday 17.02.25	Microbiology- Procedure of Sterility test.	Dr Deepika
Thursday 20.02.25	Sterilization of Endoscopic/ Laparoscopic instruments and Journal checking	Dr Priyank
	LECTURES (PERFUSION)	
Monday 24.02.25	Method of collection of biological specimens	Dr Swapnil
Wednesday 26.02.25	Preservation and disposal of biological specimen	Dr Mitali
Thursday 27.02.25	Control and prevention of infection	Dr Akshay
After term end	Revision & journal checking	Dr. Shreeraj Talwadekar

DEPARTMENT OF PHYSIOLOGY
Seth G.S. Medical College, Parel, Mumbai-12.

B Sc Paramedical Technology
[Operation Theatre]
1st yr - Physiology

I BPMT Teaching Programme 2024-25 (Every Monday, Wednesday and Friday)
for Cardiology, Perfusion, Neurology and OT Technician

Date - 20/01/2025

DATE	TIME	CARDIOLOGY AND PERFUSION		OPERATION THEATER		NEUROLOGY	
		TOPIC (L/P)	TEACHER	TOPIC (L/P)	TEACHER	TOPIC (L/P)	TEACHER
27/01/25	1.30 - 2.00	INTRO (L)	DR. BORSE	INTRO (L)	DR. BORSE	INTRO (L)	DR. BORSE
	2.00 - 3.00	Gen. Phy. - I (L)	DR. ESHA	Gen. Phy. - I (L)	DR. ESHA	Gen. Phy. - I (L)	DR. ESHA
	3.00 - 4.30	Gen. Phy. - II (L)	DR. ESHA	Gen. Phy. - II (L)	DR. ESHA	Gen. Phy. - II (L)	DR. ESHA
29/01/25	1.30 - 3.00	BLD - I (L)	DR. DIPEEKA	BLD - I (L)	DR. DIPEEKA	BLD - I (L)	DR. DIPEEKA
	3.00 - 4.30	BLD - II (L)	DR. SATYADHEVI	BLD - II (L)	DR. SATYADHEVI	BLD - II (L)	DR. SATYADHEVI
31/01/25	1.30 - 2.30	BLD - III (L)	DR. SURABHI	BLD - III (L)	DR. SURABHI	BLD - III (L)	DR. SURABHI
	2.30 - 3.30	Gen. Phy. - III (L)	DR. ESHA	Gen. Phy. - III (L)	DR. ESHA	Gen. Phy. - III (L)	DR. ESHA
	3.30 - 4.30	Hemat. - I (P)	DR. BARANI	Hemat. - I (P)	DR. BARANI	Hemat. - I (P)	DR. BARANI
03/02/25	1.30 - 2.30	BLD - IV (L)	DR. SATYADHEVI	CVS, RS app. ABG	DR. SURABHI	Musc. Conctrct.	DR. NIKAS
	2.30 - 3.30	Spec. Sens. - (L)	DR. AVI	Spec. Sens. - (L)	DR. AVI	Spec. Sens. - (L)	DR. AVI
	3.30 - 4.30	Hemat. - II (P)	DR. SALMA	Hemat. - II (P)	DR. SALMA	Hemat. - II (P)	DR. SALMA
05/02/25	1.30 - 3.00	CVS - I (L)	DR. DIPEEKA	GIT - (L)	DR. NIKAS	CNS - I (L)	DR. AVI
	3.00 - 4.30	RS - I (L)	DR. SURABHI	Hemat. Revis. (P)	DR. BARANI	CNS - II (L)	DR. AVI
07/02/25	1.30 - 3.00	Pulse - (P)	DR. GAURAV	Pulse - (P)	DR. GAURAV	CNS - III (L)	DR. AVI
	3.00 - 4.30	B. P. - (P)	DR. GOKUL	B. P. - (P)	DR. GOKUL	Hemat (R)/BP (P)	DR. GOKUL
10/02/25	1.30 - 3.00	CVS - II (L)	DR. DIPEEKA	ANS - (L)	DR. AVI	ANS - (L)	DR. AVI
	3.00 - 4.30	ECG - (P)	DR. DIPEEKA	ECG - (P)	DR. DIPEEKA	CNS - IV (L)	DR. AVI
12/02/25	1.30 - 3.00	CVS - III (L)	DR. DIPEEKA	CVS REV./CHARTS	DR. SALMA	CNS - V (L)	DR. AVI
	3.00 - 4.30	RS - II (L)	DR. SURABHI	- (P)		CNS - I (P)	DR. AVI
14/02/25	1.30 - 3.00	CVS - IV (L)	DR. DIPEEKA	Kidney - (L)	DR. SHWETA	CNS - VI (L)	DR. AVI
	3.00 - 4.30	RS - III (L)	DR. SURABHI	Jour. Comple. (P)	DR. AISHWARYA	CNS - II (P)	DR. AVI
17/02/25	1.30 - 2.30	RS - IV (L)	DR. SURABHI	REVISION, GRAPHS	DR. BARANI	CNS - III (P)	DR. AVI
	2.30 - 3.30	RS - V (L)	DR. SURABHI	AND CHART (P)		CNS Rev. - (P)	
	3.30 - 4.30	Spiro + CPR - (P)	DR. SALMA			Jour. Comple. (P)	
21/02/25	1.30 - 2.30	CVS - V (L)	DR. DIPEEKA			REVISION,	DR. AVI
	2.30 - 3.30	CVS - VI (L)	DR. DIPEEKA			GRAPHS	
	3.30 - 4.30	RS - REV. (L)	DR. SURABHI			AND CHART	
24/02/25	1.30 - 2.30	CVS CHARTS (P)	DR. JENNIFER				
	2.30 - 3.30	Hemat. Revis. (P)	&				
	3.30 - 4.30	CVS Revis. (P)	DR. SHWETA				
28/02/25	1.30 - 3.00	TERMINAL EXAMINATION (Theory)					
28/02/25	3.00 - 4.30	TERMINAL EXAMINATION (Practical)					
03/03/25	1.30 - 2.30	CVS - VII (L)	DR. DIPEEKA				
	2.30 - 3.30	GIT - (L)	DR. NIKAS				
	3.30 - 4.30	Kidney - (L)	DR. SHWETA				
05/03/25	1.30 - 4.30	REVISION OF ALL THE PRACTICALS & JOURNAL CERTIFICATION					
07/03/25	1.30 - 4.30	PRELIMINARY EXAMINATION (Theory)					
10/03/25	1.30 - 4.30	PRELIMINARY EXAMINATION (Practical)					
12/03/25	1.30 - 4.30	Signing the result and theory papers					

* Lecture - (L); Practical - (P); Examination dates are tentative; it may change as per the departmental work.

D. Shenvi

Dr. D. N. Shenvi

Professor and Head

Department of Physiology

GSMC & KEMH Mumbai

Dr (Mrs.) D. N. Shenvi

M. D.

Professor & Head

Department of Physiology

Seth G. S. Medical College

Parel, Mumbai - 400012

20.1.25

BSc Paramedical Technology
 [Operation Theatre]
 Dept of Anaesthesia.
 IIIrd year.

DEPARTMENT OF ANAESTHESIA
Seth G. S. Medical College & KEM Hospital, Parel, Mumbai -12

3rd Year BPMT Lectures Time- 3 to 4 pm.

Sr. No.	Date	Topic	Faculty
1.	3/12/24	Management of Patient in Casualty, Emergency Procedure, Trauma, Shock	Dr. Aarti kulkarni
2.	4/12/24	CPCR (Special Situations)	Dr. vaishali
3.	10/12/24	Orthopaedic Surgery (1 st Aid of fractures, repair dislocation, Application of splints)	Dr. Nirav K
4.	11/12/24	Poisoning (OP, Snake, Scorpion bite, Sedative poisoning)	Dr. Uma kamal
5.	17/12/24	Burns – (Rule of 9, First Aid), Heat stroke & exhaustion	Dr. shamla
6.	18/12/24	Cardiothoracic surgery, Cath Lab Procedures	Dr. shraddha
7.	24/12/24	Transport of Patient	Dr. sunil chapne
8.	7/1/25	Common Causes & First Aid of Unconscious Patient	Dr. Ischa
9.	14/1/25	Introduction to various equipment. Equipments used in OT → Surgical & Anaesthetic	Dr. Yogita
10.	21/1/25	Uses & Maintenance of Defibrillator	Dr. priti
11.	28/1/25	Standard Monitors & Maintenance	Dr. Yogesh N.
12.	4/2/25	Blood & Blood Products	Dr. Madhavi B
13.	11/2/25	IV Fluids & IV Access	Dr. sunil chapne
14.	18/2/25	Maintenance Case & Utility of High End Equipment	Dr. Aarti kulkarni
15.	25/2/25	Neuro-Anaesthesia & Surgery	Dr. strikanta oak
16.	4/3/25	Paediatric Anaesthesia & Surgery	Dr. pallavi
17.	11/3/25	Urological Surgery	Dr. Manali

18.	18/3/25	GI Surgery	Dr. preema shah
19.	25/3/25	Onco Surgery	Dr. Sanjivani
20.	1/4/25	Brain Death & Organ Transplant	Dr. shashikant
21.	8/4/25	Labour Analgesia Obstetric Surgery	Dr. Aarti K
22.	15/4/25	Modular Theatre Functioning	Dr. Sanjivani

Amala

Amala
(Dr. Amala Kudalkar)
Professor & Head,
Department of Anaesthesia.



BACHELOR OF PARA MEDICAL TECHNOLOGY (BPMT)

Course Name: - Operation Theatre

1st Year: Assessment System & Syllabus

Sr. No	Paper	Subject	Subject Code	Theory			Practical			Total Marks
				IA	Final	Total	IA	Final	Total	
1	Paper - I	Basic Sciences		30	60	90	30	80	110	200
2	Paper - II	Microbiology and sterilization		30	60	90	30	80	110	200
3	Paper - III	Introduction to Operation theatre techniques		30	60	90	30	80	110	200

Teaching is carried out by multiple departments in addition to Anaesthesia Department including General Surgery, OT Nursing, Radiology, Orthopaedics, Microbiology, Pathology, ICU and Staff in other rotational locations.

First Year Rotational Postings

1. Obstetrics & Gynecology 2 months
2. ENT 1 month
3. General / GI Surgery and Emergency/anaesthesia 2 months
4. Ophthalmology 1 month
5. Orthopaedics 1 months
6. Other, Blood Bank 1 month
7. Casualty posting 2 months

**Paper - I
Basic Sciences**

Sr. No.	Topics	Lecture Hours	Demo/ Practical
1	Introduction to human body as a whole Must know: gross Anatomy of Human body and part names and list of systems.	1	1
2	Applied Anatomy & Physiology of CVS, Respiratory system, Applied aspect of Autonomous nervous system	3	-
3	Study of cell, its functions, study of tissues Must know: detailed cell structure, type of cells, characteristic of cells, names of tissues & functions.	1	1
4	Blood cells, groups, transfusion reactions. Must know: <u>types of blood cells</u> , their functions, their total count in blood, blood composition details, their measurements. Blood Group: Type, Rh typing, Rh incompatibility. How to check Blood pint on arrived before transfusion? Transfusion reactions Monitoring during B.T Identification of transfusion reaction and immediate measures	2	2
4	<u>Joints</u> and their types, names (eg. Elbow, hip etc.)	1	1
5	<u>Muscles</u> - Identification of major groups related to applied anatomy,	2	2

	Must know: Only identification of major groups, Importance in applied Anatomy (IM injection)		
6	Pulse- rate, rhythm, volume Must know: Normal Pulse , characteristics of pulse Abnormal Pules Rhythm - Identification All peripheral sites for pulse palpation	1	1
7	Blood pressure- how to measure, normal and abnormal Must know: What is normal range ? What is abnormal ? How to measure BP, which are sites for it ?	2	1
8	GIT (oesophagus, stomach, small and large intestines, liver, gall bladder, pancreas)and <u>functions</u> . Must know: Parts of each GIT organ, functions of each organ.	3	2
9	Sense organs (Brief anatomy of eye, nose, ear, skin related to sensations). Must know: Anatomy and function of each.	2	2
10	Respiratory system- nose, pharynx, trachea, bronchi lungs Must know: Detail structure of parts , function.	2	2
11	Cardio vascular system- heart (chambers, valves, aorta, vena cava), artery and veins identification. Must know: Name of parts, names of major arteries and veins with respect to clinical application. What is ABG, From where sample taken for ABG, Care during ABG	2	2
12	Kidney- ureter, bladder, urethra Must know: Name/structure, function.	2	1

Rotational Postings. – Students will rotate in various operation theatres from 9 am to 12.00 noon daily, where the anatomy and physiology demonstrated in class will be reinforced by actual hands on experience . Lecture/ Dōmonstrations will be in the afternoon.

Paper – II Microbiology and sterilization

Sr. No.	Topics	Lecture	Lecture/ Demons tration
1	Common types of bacteria, their characteristics, Must know: What are the common bacteria causing diseases in human being?	1	-
2	Bacteria- Mode of spread and effects. Must know: Routes of transmission, diseases caused, prevention.	1	-
3	Principles of asepsis, disinfection and prevention of cross infection. Must know: What is decontamination/disinfection/fumigation? Methods of preventing cross infection.	2	1
4	Common antiseptics used in operation theatre. Must know: What is sprit / betadine / ethanol / Lysol / savlon / Cidex / Na Hypochlorite solution? How to use ? How to Prepare? Where to use ? After how many days to change the solution. % of solution	1	2
5	Preparation of antiseptic solution in common use in operation theatre. Must know: How to prepare each solution for specific use in OT eg. scopes cleaning? tubes? instruments? Mask?	1	2
6	Sterilizers- Must know Component parts, names, care, What are the thing that are sterilized in it?	1	1
7	Sterilizers- Must know Principles of working, care and maintenance - How do Sterilizers work- time / temp / pressure; Procedure before sterilization ; Care after sterilization ; Maintenance of sterilizer	2	2

Autoclave - Temp & pressure -

8	Methods of sterilization of operation theatre, Must know: Fumigation procedure, Fogger methodology – time, checking of sterilization, record keeping, lysolying	1	1
9	Procedure of collection of swabs in OT after fumigation. Must know: How to collect swab, how to transport, labeling, record keeping, informing to OT people, which all sites are for sample collection? How many samples? How frequently done?	3	3
10	Sterilization of blunt and sharp instruments, rubber material, gloves, polythene tubes, dressings, gum elastic equipment, sutures, ligatures, surgical cautery and other electric instruments and linen used in operation theatre Principal of cleaning of Instruments Gen/Lap/cable's/monitors/Endoscopes.	2	4
11	Sterilization of endoscopic/laparoscopic instruments.	1	2
12	Procedure of sterility test. Collection and dispatch of samples for sterility. Must know: How to collect, from which sites, how to dispatch samples for sterility.	1	3
13	Running of Central sterile supply room (Autoclave, flash, ETO) Must know: What is CSSD/ ETO/.Flash? What is detailed technology? Record keeping. Pre procedure, post procedure protocol. How to confirm test for sterilization? Temp, pressure, time? CSSD .ETO- Care during use	3	3
14	Bio medical waste- colour code, needle destruction, personnel care	1	1
15	Biosafety	1	1

Rotational Postings – Students will rotate in various operation theatres from 9 am to 12.00 noon minimum thrice a week, during which they will directly observe and be taught preparation of trolley, OT sterilisation, equipment and instrument care and other tasks as above.

Paper – III

Introduction to Operation theatre techniques

Sr. No.	Topics	Lecture	Lecture Demonstration
1	Introduction to OT Must know: What are various zones/areas / layout in OT? What is importance of each zone?	2	2
2	Identification and demonstration of various equipments in OT	2	2
3	Pre procedure protocols (Check list)	2	2
4	Consent & its Medico legal aspects Must know: Definition, Types Contents – Surgery / Blood transfusion / Anaesthesia Importance When RMO / Superintendent / parents consent needed? What about minor / unconscious / MLC cases?	4	4
5	Cleanliness and sterilization of operation theatre.	1	3
6	Lighting facility.	-	1
7	Helping surgeons and others to wash up and drape for operation.	-	2
8	Handling of sterilized articles.	-	2
9	Washing, cleaning, testing and repairing of gloves and preparing them for sterilization and packing.	-	1
10	Preparation of dressings, swabs and packs.	-	1
11	Packing of drums for sterilisation.	-	1
12	Use, care, maintenance and sterilisation of common types of	-	2

	instruments, needles, sutures and ligatures used in operation theatres.		
13	Procedure for sending specimen for biopsy, and aspirated fluid for culture.	1	1
14	Identification of instruments,	-	1
15	Lay out of instruments trolley,	-	1
16	Operative and nursing procedures connected with common surgical operations such as assisting for biopsies, debridement of bedsores, incision of abscess, carbuncles, excision of sebaceous cyst, corns, warts, ulcers, in growing nails, foreign body, rectal operations like piles, fistula, fissure, ischio-rectal abscess,	8	8
17	Application of bandages, dressings, tourniquets.	-	4
18	Reception and preparation of patients for surgery,	-	2
19	Observation of patients during operation, post operative period.	-	2
20	Methods of application and uses of different types of splints.	-	4
21	Plaster of Paris techniques, preparation, application and removal.	-	4
22	Universal safety precautions	-	2
23	X ray shooting, basic views (PA view and Lateral chest,)	-	2
24	Operating C-arm	-	1
25	Disposal of Biomedical waste	-	4
26	Preparation of Electronic gadgets for Run. (Laparoscope, Cautery work station, cable connections)	-	4

In addition to the OT students must be rotated through oxygen bank, autoclave rooms, and biomedical waste department.



महाराष्ट्र आरोग्य विज्ञान विद्यापीठ, नाशिक
MAHARASHTRA UNIVERSITY OF HEALTH SCIENCES, NASHIK

BACHELOR OF PARA MEDICAL TECHNOLOGY (BPMT)

Course Name: - Operation Theatre

2ndYear: Assessment System & Syllabus

Sr. No	Paper	Subject	Subject Code	Theory			Practical			Total Marks
				IA	Final	Total	IA	Final	Total	
1	Paper - I	Introduction to anesthesia		30	60	90	30	80	110	200
2	Paper - II	Medical and surgical nursing		30	60	90	30	80	110	200
3	Paper - III	OT related consumables & record keeping		30	60	90	30	80	110	200

Second Year Rotational Postings

1. Obstetrics & Gynaecology	2 months
2. ENT	1 month
3. Gastroenterology Including Endoscopy Room	2 months
4. General / GI Surgery and Emergency/ Anest	3 months
5. Ophthalmology	1 month
6. Orthopaedics	1 month
8. Other	1 month

Paper - I

Introduction to anesthesia

Sr. No.	Topics	Lectures	Lecture Demonstration
1	Introduction to anaesthesia Must know: Lay out of OT e.g. sterile and unsterile zones, pre and post-operative rooms, autoclave room, washing area, dirty area and area for setting up of trolleys. Importance of monitoring central supply of Oxygen, N ₂ O, air compressor and suction machine. Knowledge of portable cylinders	1	1
2	Pre procedure protocols Must know: Checking that OT lists are available or not. Record keeping of OT list, helping the OT staff to set up preoperative room with beds, mattresses, linen, Oxygen source, suction machine, IV stands, Anesthesia machine, emergency drugs, IV fluids and airway trolley. Check the correctness of patients' names, age, address, type of surgery and consent for surgery.	2	4
3	Identification and use of anaesthesia resuscitation equipments available on trolley. (Ambu bag, endotracheal tubes size, tracheostomy tray) Must know: Identification of Ambu bag, endotracheal tubes of various types	1	5

	and sizes, tracheostomy tubes and tray, nasal and oropharyngeal airways and their sizes, laryngoscopes with different types of blades, stylets, connectors, bougies and supraglottic airway devices. Proper cleaning and storage of the above.		
5	Description and working of machines and appliances used for anaesthesia like Boyle's machine, airway, endotracheal tubes, laryngoscopes etc. Must know: <ul style="list-style-type: none"> • Setting a difficult airway cart, crash cart, spinal and epidural tray. • Daily checking of anesthesia workstations, monitors, defibrillators, ventilators and suction machines. • Complete knowledge of Alarms and an essential practice to respond immediately to low saturation, low pressure, high pressure alarms and disconnection alarms is a must. 	2	6
6	Their component parts, cleaning, sterilization, care, maintenance, assembly and dismantling. Must know: <ul style="list-style-type: none"> • Fiber-optic bronchoscope, sharps, rubber items, PVC items, metallic and hollow items to clean in the specified manner • Similarly, electrical items, disposables, bougies and monitor cables be handled in the prescribed manner. • Practice of enlisting the components on the box or container during storage. 	2	6
7	Drugs in anaesthesia- premedication (oxygen, Glycopyrrolate, atropine, ondansetron, ranitidine, midazolam, pentazocine, fentanyl, diclofenac) Basic Pharmacology Must know: salient features like class of the drug and uses	1	-
8	Inducing drugs- (Propofol, Thiopentone Na, Ketamine)	1	-
9	Muscle relaxants- identification, use, contra indication	1	-
10	Brief awareness about special anaesthesia like paediatric and geriatric anaesthesia. Must know: <ul style="list-style-type: none"> • Special requirements for anesthesia in above cases. • Warm OT, small size splints for IV, IVlines, bolsters of proper size, proper size head rings and pillows for Pediatric cases; • Careful and gradual positioning of Obstetric and Geriatric patients with wedges and paddings at pressure points. 		6
11	Types of anaesthesia. (Local, sedation, spinal, epidural, general, regional blocks) Must know: <ul style="list-style-type: none"> • Names of cases which require various types of anesthesia. • Importance of preparation of OT in a complete sense even for minor cases to avoid mishaps. • Preparation of OT according to specific case wise requirement in Major cases . 	1	6
12	Local anaesthetics (Lignocaine, Bupivacaine) Must know: <ul style="list-style-type: none"> • Various types of Lignocaine and Bupivacaine marketed as 1%, 2%, 4%, 5%, 10% etc. 	1	2

	<ul style="list-style-type: none"> • Various dilutions and percentages. • Importance of reading labels and preparing drugs after proper and correct labelling methods as adopted by the treating Anesthesiologist. • Knowledge of operating syringe pumps. 		
13	<p>Pre anesthetic evaluation, consent for surgery-anaesthesia. Must know:</p> <ul style="list-style-type: none"> • Any patient coming to OT for elective procedure should be entered on OT list. Such cases need to be previously evaluated by the Anesthesiologists. • Practice to check pre- anesthesia notes are attached to the case paper. • Check the correctness of patients' names, age, address, type of surgery and consent for surgery. Check preoperative blood investigations are available, check entry of figures in the computer. • Check entry of anesthesia and surgeons' names in computer. • Check availability of all concerned forms to case paper like registration number, MRD number, Rajeev Gandhi scheme entry criteria. • Check MLC number, Consent from Medical Superintendent of Mental Hospital in case mental patient is operated. Also consent from jail authority if a prisoner is getting operated. 	2	6
14	<p>Local and sedation- Preparation, position of patient, required drugs, doses, side effects. Must know:</p> <ul style="list-style-type: none"> • Check for OPD/IPD numbers and papers. See if surgery is advised on paper. • Check NBM status, accompanying persons present or not. • Patient positioning as per Surgeon's advice. Arrange for arm-boards, leg-boards, back rests, stirrups, eye-pads and ear plugs. • Set up monitors; ask for need for IV line. • Arrange for required drugs as desired by the anesthetists. • Monitor for vomiting, retching, flushing, rashes, itching etc. 	2	6
15	<p>Spinal anaesthesia- Preparation, position of patient, required drugs, doses, side effects. Must know:</p> <ul style="list-style-type: none"> • Confirm NBM, consent, nature of surgery, patient name and surgery on OT list, IPD number and whether patient is accompanied with relatives or not. • Position for spinal anesthesia. Make available agents used for part preparation. • Provide sterile spinal tray. Teach about disposal of used items. 	2	6
16	<p>Epidural anaesthesia- Preparation, position of patient, required drugs, doses, side effects. Must know:</p> <ul style="list-style-type: none"> • Same as above for Epidural anesthesia. • Contents of epidural set, sterilization and need to maintain epidural catheter for post-operative analgesia in recovery room. 	1	6

17	Regional blocks- Preparation, position of patient, required drugs, doses, side effects.	1	1
18	Preparation of patient for regional anaesthesia.	1	2
19	Preparation of patient for general anaesthesia. Must know: <ul style="list-style-type: none"> • Confirm NBM, consent, nature of surgery, patient name and surgery on OT list, IPD number and whether patient is accompanied with relatives or not. • Check for OPD/IPD numbers and papers. See if surgery is advised on paper. • Check NBM status. Check availability of all concerned forms to case paper like registration number, MRD number, Rajeev Gandhi scheme entry criteria. • Check MLC number, Consent from Medical Superintendent of Mental Hospital in case mental patient is operated. Also consent from jail authority if a prisoner is getting operated. • Patient positioning as per Surgeon's advice. Arrange for arm-boards, leg-boards, back rests, stirrups, eye-pads and ear plugs. • Set up monitors; ask for need for IV line. • Arrange for required drugs as desired by the anesthetists. • Teach about daily checking of anesthesia workstations, monitors, defibrillators, ventilators and suction machines. • Complete knowledge of Alarms and an essential practice to respond immediately to low saturation, low pressure, high pressure alarms and disconnection alarms is a must. 	1	6
20	Lay out of trolley for all types of anaesthesia Safety Mechanisms of life saving equipments check list. Must know: <ul style="list-style-type: none"> • Lessons about preparation of spinal trays, epidural tray and tray for various regional blocks. • Knowledge of sterilization and disinfection. Information of disposal of used items. 	1	6
21	Assisting to anaesthesiologist in giving anaesthesia.	-	2
22	Various types of gas cylinders- types, care and identification. (Oxygen, N ₂ O, CO ₂) Must know: <ul style="list-style-type: none"> • Color coding of various cylinders. • Coding for change of cylinders on workstations and change of cylinders for central supply. 	1	2
23	Central gas pipeline, Manifold system, Liquid O ₂ , <ul style="list-style-type: none"> • Teach about location and general arrangement of central gas pipelines. • Show the locations of outlets at number of places as in wards, ICUs, Recovery rooms and Labor rooms. Information about need for regular checking from company personnel. • Regular checking of supply to OT. Checking of integrity of alarms and pressures. 	1	2
24	Central suction, electrical, foot suction. Must know: <ul style="list-style-type: none"> • Clearing of airway of blood, mucus and vomitus and importance in saving life of patient. 	1	6

	<ul style="list-style-type: none"> • Importance of electrical and foot suction as alternatives to central suctioning system. 		
25	<p>Explosion risks. Fire-fighting.</p> <p>Must know:</p> <ul style="list-style-type: none"> • Awareness about likelihood of fires and explosions in OT. • Preparedness for any accidents due electrical equipment and autoclave etc. • Assisting for CPR 	1	2
26	<p>Assembly and use of Oxygen therapy units, anaesthesia equipments.</p>	1	2
27	<p>Maintenance of anaesthesia equipments, records and charts.</p>	1	1
28	<p>Role of OT technician in Post anaesthesia care.</p> <p>Must know:</p> <ul style="list-style-type: none"> • Confirm anesthesia and surgery notes. Check if post-operative orders have been put on paper. • Monitor vomiting, rashes, pulse, B.P., respiration, consciousness, effects of analgesia and pain medications if any. • Need for oxygen supplementation if advised. Watch for blood transfusion reactions of any. Check if BT notes have been put. 	1	2

In addition to the Lectures/Lecture Demonstrations, students should assist under supervision and feedback must be given during the rotational postings.

Paper – II

Medical and surgical nursing (Only preparation for procedures)

Sr. No.	Topics	Lecture/	Lecture Demonstration
1	<p>Temperature, pulse, respiration recording</p> <p>Must know:</p> <ul style="list-style-type: none"> • About skin and core temperature. Methods of measuring the same over 1 minute, with hand on pulse. • Method of cleaning the thermometer and wiping, before and after use. Storing dry after wiping with cetrimide lotion. • How to palpate various superficial pulses, radial, ulnar etc. • How to record pulse rate, rhythm, volume and nature of vessel wall; • For respiration, how to record rate, depth and nature of breathing, thoracic or abdomino-thoracic, labored or quiet and level of consciousness or change in color; if any such alteration from normalcy is noted. 	1	1
2	<p>Blood pressure recording</p> <p>Must know:</p> <ul style="list-style-type: none"> • How to tie the B.P. cuff, location of brachial artery on medial side of cubital fossa and that cuff should encircle the two third circumference of the arm. • Various sizes of B.P. cuff for various age groups. • How cuff should be tied only on the portion of a limb where a single artery can be compressed against a single bone to obtain correct record. • Palpatory and auscultatory methods of recording B.P. 	1	1

	<ul style="list-style-type: none"> • Different types of apparatus- sphygmomanometer, aneroid and digital B.P. records. • Normal range of B.P. and high and low values. 		
3	<p>Care of mouth and skin. Giving bedpan and urinals.</p> <p>Must know:</p> <ul style="list-style-type: none"> • Care of mouth and skin in ICU patients on prolonged ventilation. • Oral cavity as a source of organisms and a route cause of respiratory infections and generalized bacteraemia leading to increased morbidity and mortality. • How to maintain cleanliness of bedpan and urine pots to prevent ascending infections in the urinary system. • General instructions of sterile care to be followed about the storage of airways, endotracheal tubes, urinary catheters, syringes etc. • Importance of oral wash with hexidine, skin care with frequent change of position, padding of pressure points, dusting with antibacterial powders of body parts under creases. 	1	1
4	<p>Oxygen cylinders.</p> <p>Must know:</p> <ul style="list-style-type: none"> • Recording the number of portable cylinders on OT and ICU. How to store cylinders in horizontal manner when not in use. • Practice of checking FULL label when receiving cylinders and putting label of EMPTY when exhausted. • Method to place large cylinders in a corner or in a transverse manner to avoid accidents in OT. • Store cylinders away from flammable things and always in a room with open windows so as to avoid casualties due to blast. • Read the name of gas in a cylinder before installing it on the machines to ensure correct placement. 	2	2
5	<p>Administration of oxygen.</p> <p>Must know:</p> <ul style="list-style-type: none"> • Need to supplement oxygen to patients under anesthesia or in ICU. • Equipment requirement for the same, like nasal cannula, Hudson mask, nasal prongs and catheters should be introduced. • How to read pressures in cylinders for ensuring uninterrupted flow. • How to check the integrity of tubings from cylinders up to the patients. 	2	
6	<p>Care & preparation of an unconscious patient, Catheterization, Lumbar puncture, aspiration of abdominal cavity and chest.</p> <p>Must know:</p> <ul style="list-style-type: none"> • Importance of oral wash with hexidine, skin care with frequent change of position, padding of pressure points, dusting with antibacterial powders of body parts under creases. • Need of betadine, gauze, sponge holders, dry gauze pieces, sterile catheter and lignocaine jelly in a tray for catheterization. • Lumbar puncture tray should contain hole towel, gauze pieces, sponge holders, LP needle, sample bulb and syringes. Tray should be autoclaved. • Patient positioning for lumbar puncture should be learnt with pillow under the shoulders, back at right angle to the bed and hip and knee joints flexed over the abdomen with chin touching the chest. 	3	

	<ul style="list-style-type: none"> • Head low position after L.P. should be ensured to avoid PDPH. • For aspiration of abdominal and chest cavity, painting with betadine and spirit and sterile draping is necessary. Availability of intercostal drain and underwater seal is to be confirmed. • Need to perform thorough hand washing and scrubbing before preparing the trolleys and trays is a must should also be taught. • Knowledge about disposal after use is to be given. 		
7	<p>Passage of gastric tube. Giving fluids by mouth, Ryles tube. Enema. Must know:</p> <ul style="list-style-type: none"> • Which instructions to give to patients before performing the above. • Giving fluids by mouth or RT should be written on case paper by doctors during rounds in ICU. • To check for written instructions to do so on a case paper. • To check whether volume and type to be given has been stated clearly on the paper. 	1	2
8	<p>Injections by various routes. Must know:</p> <ul style="list-style-type: none"> • How to prepare injection trays containing autoclaved or sterile syringes, needles of 20 to 25 gauges. • Check labels to confirm names of drugs contained and recheck the market names. • Containers of spirit swabs are kept ready. • Proper disposal of used sharps, syringes, IV sets, transfusion sets and blood stained gauze pieces should be taught. • It is essential to check whether the medication has been prescribed by the doctor on the case paper. • To monitor for response of the patient after medication. 	1	4
9	<p>Administration of medicine by oral and other routes. Must know:</p> <ul style="list-style-type: none"> • To strictly follow the orders on case sheet. • About 12 hourly, 8 hourly, 6 hourly dosages where necessary. • Monitoring for response of the patient after medication. 	1	2
10	<p>Nursing care during convulsions, poisoning, asphyxia and anaphylactic shock. Must know:</p> <ul style="list-style-type: none"> • Apparatus to secure airway in emergency should be ready. • Suction machine, tracheostomy tray, suction catheters, endotracheal tubes, laryngoscopes, oral and nasopharyngeal airways and bite blocks should be made available immediately. • Keeping ready Intracaths , IV sets, three ways, IV fluids, and drugs to control convulsions. • To tilt the bed or table in head low position in case of vomiting due to poisoning. • To secure patient on the bed or table to prevent bony and soft tissue injuries. • Injection Adrenaline, hydrocortisone and dexamethasone should be available urgently for saving life. 	2	6
11	<p>Nursing care during infectious diseases like chicken pox, small pox, typhoid, pulmonary tuberculosis and other infectious diseases. Must know:</p>	2	4

	<ul style="list-style-type: none"> • How to use personal protective measures before attending patients of infectious disease. • How to handle blood samples, urine, CSF, pleural fluid, peritoneal fluid and stool samples. • How to keep record of improvement and/or deterioration of patient condition. • How to dispose of fomites, swabs, gauze pieces, bandages in OT and ICU. • Proper disposal of used sharps, syringes, IV sets, transfusion sets and blood stained gauze pieces should be taught. • How to prevent cross- infection. 		
12	<p>Nursing care during common diseases like myocardial infarction, congestive cardiac failure, infective hepatitis, peptic ulcer, pneumonia etc. immunization.</p> <ul style="list-style-type: none"> • Importance and role of oxygen inhalation, propped up position, decongestants and availability of suction machine are life-saving. • Monitoring of ECG, saturation, respiration, B.P. are mandatory. • How to inform to the relatives about the seriousness of patient condition. Every day condition of the patient needs to be informed to the relatives. • The importance of nebulization and physiotherapy if needed. • How to explain if patient needs to be artificially ventilated. 	2	4
13	<p>Intake output chart Must know:</p> <ul style="list-style-type: none"> • How to prepare an ongoing chart about intake through IV and RT on day today basis. • How to estimate output of patient from urine, stools, respiration, and sweating, pleural and peritoneal drains daily. • How to record blood loss from pleural, peritoneal, p/v discharge, joint drains and serous discharge from burns . 	2	4
14	<p>Study of various blood groups, Method of Blood transfusion, Indication, hazards of blood transfusion Must know:</p> <ul style="list-style-type: none"> • ABO blood grouping system and Rh typing of blood. • Standard universal color coding of blood groups. • Cross-matching and need to recheck and documentation on paper. • System of numbering of blood bags, registration number of patients and entry of dates of collection and supply of blood and blood product bags. • Importance of checking the date of expiry. • How to put entries on important papers during transfusion. Need to put the signature of the individual who initiates BT. • Importance of monitoring blood transfusion and how to identify reaction to incompatible blood. • Importance of reporting a transfusion reaction to concerned blood bank. 	2	4
15	<p>Diabetes- Blood collection for blood sugar measurement, use of glucometer</p>	1	5

	<ul style="list-style-type: none"> • Must know: • Importance of checking previous blood sugar levels and whether patient is on oral or injectable hypoglycemic agents. • Significance of mandatory morning fasting blood sugar estimation . • To check that glucometer with its compatible glucostrips is available in OT for intermittent checking of sugar levels during surgery. • To wipe the pulp of finger tip of the hand to which no IV line has been started. Saline wipe and not spirit is used. Finger pulp is given a bold prick to obtain the sample. • To read from the screen the value and note on case paper for reference. 		
18	Diet sheets/Chart.	1	4
19	Communication Skills & other soft Skills	4	4

In addition to the Lectures/Lecture Demonstrations, students will learn by assisting under supervision and feedback must be given during the rotational postings.

Paper – III

OT related consumables & record keeping

Sr. No.	Topics	Lecture/ Lecture Demonstration
1	Maintaining record and arranging & labeling drugs as per order. Must know: <ul style="list-style-type: none"> • How to prepare separate registers for entering drugs used in OT and ICU. • Date wise entry of drugs given as per dosages has to be charted. • Monthly count of all drugs is thus obtained and recorded. • Importance of stringent record keeping to aid in accounting, calculating hospital expenses, following the course of recovery of patients, prevent malpractices. • Usefulness of record keeping of drugs for patients for future record; it has medicolegal importance for the benefit of a hospital in case of any allegations. 	6
2	Record of disposables & inventory management Must know: <ul style="list-style-type: none"> • Record of indenting and accounting under the head of opening balance, purchases, issue and closing balance. • Record keeping is helpful for tallying of expenses. • The importance of record keeping to anticipate the requirements in case hospital has to face mass casualty situations. 	3
3	Disposal of expired drugs Must know: <ul style="list-style-type: none"> • Importance of keeping a record of disposables to know the stock as on date and thereby place requisition with suppliers. • It is the duty of every responsible citizen to properly dispose all waste created. Disposal of types of waste is different and has to be followed by rules. • Authentic record, that the rules of disposal are followed is to be maintained. 	3

4	Information about registers related to drugs, record of equipments , working or not, AMC/CMC,daily maintenance Must know: <ul style="list-style-type: none"> • Stock books are maintained to enlist the equipment in the department. For example, total number of monitors, ventilators, computers, printers etc. • List of equipment in working condition with all its accessories labelled, is also important. • Manufacturing companies take the responsibility of maintenance by accepting AMC or maintenance by comprehensive plan. • All such permanent record papers are to be filed sequentially. 	6
5	Maintaining records of consumables related to equipments	1
6	Receiving & Identification of patient in OT. With Records & Investigations.	2
7	O.T environment control & Lighting system.	2

In addition to the Lectures/Lecture Demonstrations, practice sessions under supervision , students will have repair section rotation. Students will maintain a logbook of procedures observed.



BACHELOR OF PARA MEDICAL TECHNOLOGY (BPMT)

Course Name: - Operation Theatre

3rd Year: Assessment System & Syllabus

Sr. No	Paper	Subject	Subject Code	Theory			Practical			Total Marks
				IA	Final	Total	IA	Final	Total	
1	Paper – I	Role of technician in Causly		30	60	90	30	80	110	200
2	Paper – II	OT equipments and their maintenance		30	60	90	30	80	110	200
3	Paper - III	Resuscitation and Recent advances in OT technology		30	60	90	30	80	110	200

BPMT(Operation Theatre) Third Year

1. Orthopaedics 2 months
2. Gen/ GI Surgery 3 month (Laparoscopy+ Endo. Advanced)
3. Urology (Gen. Surgery) 2 months
4. Endoscopy/ Admin 2 month
5. Paediatric Surgery 1 Month

Paper – I

Role of technician during specialized Anesthesia & Surgery (Emergency Medicine)

Sr. No.	Topics	Lectures
1	Emergency Procedures Surgical & trauma	1
2	Hypovolemic or haemorrhagic Shock	1
3	Thoracic Surgery	1
4	Cardiac Surgery	1
5	Obstetrics & gynecology	2
6	Oncosurgery	1
7	First aid in case of shock. Artificial respiration.	2
8	First aid of fractures, dislocations and sprains. Preparation of such patients for OT.	2
9	Classification and application of splints.	2
10	Poisoning- Clinical features and first aid (Organo phosphorus, snake and scorpion bites and sedative poisoning).	2
11	Burns and scalds, rule of 9, first aid.	1
12	Common causes and first aid of unconsciousness.	1
13	Heat stroke and exhaustion.	1
14	First aid in case of drowning.	1
15	Transport of accident casualties.	1
16	Basic Life Support.	1

Paper – II
OT equipment and their maintenance

Sr. No.	Topics	Lecture/ Demo
1	Introduction to various instruments / equipments used in OT	1
2	Maintenance of the equipments Must know: Daily maintenance of equipments such as operation table, suction machine, OT lights.	1
3	Boyles apparatus and its use Must know: Different parts, how to check machine for leakages, safety features present in Boyles machine.	1
4	Introduction to endoscopes	1
5	Use & maintenance of various endoscopes Must know: cleaning & sterilization methods, how to store when not in use.	
6	ECG apparatus and use	1
7	Various leads, Recording ECG. Labeling. Must know: How to connect ECG apparatus to a patient, positions of various chestleads and limb leads, how to label ECG.	
8	Maintenance of Defibrillator Must know: Charging of defibrillator, positions of paddles, precautions to be taken while defibrillation.(shock)	1
9	Connecting patient to monitor. Must know: Pulse oximeter- what does it show, different types of probès.	1
10	Monitoring Standards – Minimum & advances Must know: How to take care of airway? How to clean airway? Rate of compression: Ratio of compression to mouth to mouth breath?	2

Paper – III
Resuscitation and Recent advances in OT technology

Sr. No.	Topics	No Hours
Resuscitation-		
1	Signs, symptoms of haemorrhage and shock, cardiac arrest.	1
2	Preparation of intravenous therapy, blood and platelet, FFP, albumin transfusion. Must know: How to start intravenous therapy? Checking of blood.	2
3	Infusion fluids in common use. Must know: What are the commonly use infusion fluids?	1
4	Intravenous access Must know: What precautions to be taken?	1
Recent Advances in OT technology		
1	Maintenance Care & Utility of High end equipments	1
2	Modular theatre functioning	1

Rotational Posting : 3rd year students will have posting in casualty, Medical ICU, Burns Unit, Trauma ICU, Trauma OT and Superspeciality OT for Practical Training.

Rotational posting of 1 month in following ;

1. General Surgery/Burns
2. Gynaec and Labour Room
3. ENT
4. Ophthalmology

5. Orthopaedics
6. Paediatric Surgery
7. Plastic Surgery
8. Neurosurgery
9. Urosurgery
10. CVTS
11. MICU/TICU
12. Trauma/Casualty/Pain Clinic



BACHELOR OF PARA MEDICAL TECHNOLOGY (BPMT)

Course Name: - Operation Theatre

1st Year: Assessment System & Syllabus

List of Suggested Books for reading

Sr. No.	Subject / Topic	Author/ Editor	Title of Book	Publisher
1	OR Technique	Berry & Kohris	Berry & Kahn's Operating room Technique	Elsevier
2	Simulation in anaesthesia	C.S. Gallghar S. B. Issenbug	Simulation in Anesthesia	Elsevier
3	OR Techniques	Leena Gomez	Manual of Operating room technique	Jaypee
4	Instruments & Ward procedure	MM Kapur	A Complete hospital manual of Instruments & Procedure	Elsevier
5	Basics of Surgery (Bandages / Handling instruments)	Pye	Pye's Surgical Handicraft	Butterworth-Heinemann
6	Ward Procedures	Mansukh Patel	Ward Procedures	Elsevier
7	Surgical instruments	Parulekar	Handbook of Surgical Instruments.	
8	Endoscopy	Farhad safi	GI Endoscopy training manual	
9	Emergency surgeries	Adam Brook	Emergency Surgery	Wiley
10	Anaesthesia manual	A. Ahanatha Pillai	Manual of an anaesthesia for operation theater technicians	Jaypee
11	Pre-op assessment	Bobbie Sweitser	Pre-operative assessment and management	Wolters
12	Microbiology	Mrs. Kapale Mrs. Pande	Laboratory manual in microbiology	
13	BD Chaurasia's Humans Anatomy	BD Chaurasia	Human Anatomy Vol.1,2,3	CBS
14	Operative general surgery	Farquharson's	Textbook of operative general surgery	CRC Press
15	Fractures & Injuries	Adam's	Adams atline of fractures Including Joints & Injuries	Elsevier
16	Orthopedics	Maheshwari	Essential orthopedics	Jaypee
17	Microbiology	Ananthnarayan & Panikar	Textbook of Microbiology	Universities Press.

Learning Resources material must be prepared appropriate to the level of the learners.

DEPARTMENT OF PHYSIOLOGY
Seth G.S. Medical College, Parel, Mumbai-12.

GSMC/PHY - 556 /2024

Date – 20/01/2025

To,
HOD,
Anesthesia Department,
Seth GSMC & KEM Hospital.

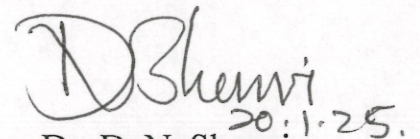
Sub: Teaching Physiology syllabus for I BPMT, Batch 2024-25

Sir / Madam,

As per communication by the students, this is to inform you that we are starting teaching (Theory and Practical) for I BPMT OT technicians from 27/01/2025. Teaching will be held on **every MONDAY, WEDNESDAY and FRIDAY from 1.30 pm to 4.30 pm** in the department of Physiology, college building, IIIrd floor.

Detail time table is already displayed on physiology department notice board. Kindly send us the list of students appearing for I BPMT OT technician course batch 2024-25.

Thanking You


20.1.25.

Dr. D. N. Shenvi
Prof and Head
Dept. of Physiology
GSMC and KEM Mumbai.

Dr (Mrs.) D. N. Shenvi
M. D.
Professor & Head
Department of Physiology
Seth G. S. Medical College,
Parel, Mumbai - 400012.

2024

Physiology / 1st yr.

SCHOOL OF NURSING, K.E.M. HOSPITAL, PAREL, MUMBAI - 400012
 B.P.M.T. SECOND YEAR TIME TABLE 2023-2024. Venue - Advance Lab

DATE	TIME	HOURS LECTURE CUM DEMO	TOPIC	NAME OF THE ST. TUTOR	SIG Names
01-01-2024	1.00pm to 3.00pm	2 Hrs	Temperature, Pulse, Respiration recording	[Signature]	SRT Manoj
02-01-2024	1.00pm to 3.00pm	2 Hrs	Blood pressure recording	Luchita Hemus	SRT Sushita
03-01-2024	1.00pm to 3.00pm	2 Hrs	Care of mouth for unconscious & conscious pt.	V. Shree	SRT Vishal
04-01-2024	1.00pm to 3.00pm	2 Hrs	Back care & sponge (Skin care)	[Signature]	SRT Deepali G.
05-01-2024	1.00pm to 3.00pm	2 Hrs	Types & care of Oxygen cylinders and Administration of Oxygen.	[Signature]	SRT Deepali G.
08-01-2024	1.00pm to 3.00pm	2 Hrs	OT environment control & lighting system	[Signature]	SRT Deepali G.
09-01-2024	1.00pm to 3.00pm	2 Hrs	Care & preparation of an unconscious pts for Catherterization	[Signature]	SRT Smita Patil
10-01-2024	1.00pm to 3.00pm	2 Hrs	Care & preparation of an unconscious pts for Lumber puncture	[Signature]	SRT Gorad
11-01-2024	1.00pm to 3.00pm	2 Hrs	Care & preparation of an unconscious pts for aspiration of abdominal cavity and chest	[Signature]	SRT A. P. ...
12-01-2024	1.00pm to 3.00pm	2 Hrs	Passage of gastric tube. Giving fluids by mouth, Ryles's tube	[Signature]	SRT S. Ashok
16-01-2024	1.00pm to 3.00pm	2 Hrs	Enema procedure of giving bedpan and urinals	[Signature]	SRT C. Pawar
17-01-2024	1.00pm to 3.00pm	2 Hrs	Injections by IM, SC, ID, IV routes	[Signature]	SRT R. Pawar
18-01-2024	1.00pm to 3.00pm	2 Hrs	Administration of medicine by oral and other routes	[Signature]	SRT B. S. ...
19-01-2024	1.00pm to 3.00pm	2 Hrs	Nursing care during asphyxia, and anaphylactic shock	[Signature]	SRT S. Ambekar
22-01-2024	1.00pm to 3.00pm	2 Hrs	Nursing care during infectious diseases like chicken pox, small pox, typhoid	[Signature]	SRT Adhale
23-01-2024	1.00pm to 3.00pm	2 Hrs	Nursing care during infectious diseases like pulmonary tuberculosis & infective hepatitis	[Signature]	SRT H. Torone
24-01-2024	1.00pm to 3.00pm	2 Hrs	Handling of articles while caring of patients infected with infectious disease	[Signature]	SRT J. Jadhav
01-02-2024	1.00pm to 3.00pm	2 Hrs	Operative & nsg procedres connected with common surgical operations such as assisting for rectal operations like piles, fisutia, fissure, rectal s...	[Signature]	SRT M. R. ...
02-02-2024	1.00pm to 3.00pm	2 Hrs	Nursing care during convulsions & poisoning	[Signature]	SRT Medha K.
05-02-2024	1.00pm to 3.00pm	2 Hrs	Observations of patients during operation and post-op period	[Signature]	SRT S. Nair
06-02-2024	1.00pm to 3.00pm	2 Hrs	Application of bandages	[Signature]	SRT Madhuri
07-02-2024	1.00pm to 3.00pm	2 Hrs	Application of bandages	[Signature]	SRT Ravindra
08-02-2024	1.00pm to 3.00pm	2 Hrs	Application of Dressing, tourniquets	[Signature]	SRT Zure
09-02-2024	1.00pm to 3.00pm	2 Hrs	Methods of application and uses of different types of splints	Vaishali Chav	SRT Vaishali C.
12-02-2024	1.00pm to 3.00pm	2 Hrs	Plaster of paris techniques, preparation, application & removal	[Signature]	SRT V. Padwal
13-02-2024	1.00pm to 3.00pm	2 Hrs	Universal safety precautions	[Signature]	SRT P. Naik
14-02-2024	1.00pm to 3.00pm	2 Hrs	Disposal of Biomedical waste	[Signature]	SRT D. ...

CO-ORDINATOR:-
 SR TR. JYOTSNA JADHAV.
 SR TR. CHHAYA PAWAR

[Signature] 22/12/2023

[Signature] 22/12/2023
 Principal
 School of Nursing
 K.E.M. Hospital
 Parel-400012

3rd Year BPMT Lectures

Time:- 12-1pm

Venue:- CPR room

Sr. No.	Date	Topic	Faculty
1.	3-1-23	Management of Patient in Casualty, Emergency Procedure, Trauma, Shock	Dr. Siddhi Dr. Sparsh
2.	6-1-23	CPCR (Special Situations)	Dr. Dhanashri K. Dr. Antara
3.	10-1-23	Orthopaedic Surgery (1 st Aid of fractures, dislocation Application of splints)	Dr. Payal Dr. Fashreen.
4.	13-1-23	Poisoning (OP, Snake, Scorpion bite, Sedative poisoning)	Dr. Ketan Patel Dr. Mangalagouri B.
5.	17-1-23	Burns - (Rule of 9, First Aid), Heat stroke & exhaustion	Dr. Dhruvini Dr. Mugdha
6.	20-1-23	Cardiothoracic surgery, Cath Lab Procedures	Dr. Shuddha Dr. Nilay.
7.	24-1-23	Transport of Patient	Dr. Remita Dr. Mukti
8.	27-1-23	Common Causes & First Aid of Unconscious Patient	Dr. Isha Dr. Yogita A.
9.	31-1-23	Introduction to various equipment. Equipments used in OT → Surgical & Anaesthetic	Dr. Aarti Dr. Gangu.
10.	3-2-23	Uses & Maintenance of Defibrillator	Dr. Nishu V. Dr. Mayur
11.	7-2-23	Standard Monitors & Maintenance.	Dr. Pallavi Dr. Vinodu
12.	10-2-23	Blood & Blood Products	Dr. Shashikant Dr. Rohit M.V.
13.	14-2-23	IV Fluids & IV Access	Dr. Chhavi Dr. Libing.
14.	17-2-23	Maintenance Case & Utility of High End Equipment	Dr. Uma Dr. Sushmita.
15.	21-2-23	Neuro-Anaesthesia & Surgery	Dr. Shamala Dr. Sudha.
16.	24-2-23	Paediatric Anaesthesia & Surgery	Dr. Vaishali Dr. Syama.
17.	28-2-23	Urological Surgery	Dr. Sunil Dr. Priya.
18.	3-3-23	GI Surgery	Dr. Sanjivani Dr. Arathy.

7565
28/19
18

19.	7-3-23	Onco Surgery	Dr. Madhavi Dr. Samica
20.	10-3-23	Brain Death & Organ Transplant	Dr. Shrikanta Dr. Yuganti
21.	14-3-23	Labour Analgesia Obstetric Surgery	Dr. Prithi D. Dr. Minakshi K.
22.	17-3-23	Modular Theatre Functioning	Dr. Dhvani Dr. Chandan.

S. V. Salgaonkar
20.12.22.
for (Dr. Amala Kudalkar)
Professor & Head,
Department of Anaesthesia.

Please Note:- Senior faculty to supervise lectures.
- Attendance record to be maintained.

PROFESSOR & HEAD
DEPT. OF ANAESTHESIOLOGY
SETH G. S. M. C. & K. E. M. H
PAREL, MUMBAI - 400 012.

SCHOOL OF NURSING, K.E.M. HOSPITAL, PAREL, MUMBAI - 12

No:KEM/SCN/394

Date : 10/01/2023

To,
Dr. Amala Kudalkar,
Professor & Head,
Department of Anaesthesia,
K.E.M. Hospital, Parel,
Mumbai - 12.

Sub: Regarding BPMT (OT Technique) students lecture schedule.

Respected Madam,

As per your letter received on 23/11/2022. We have organized lecture schedule for
BPMT (OT Technique) 2nd yr students for the academic year 2022-2023
From 16/01/2023 to 17/02/2023 .

Thanking you,

Encl : Lecture Schedule

Yours Sincerely,

Co-ordinator - Sr. T. Vishakha Bhoer

VBhoer

Sr. T. Rajashree Parab

RParab

Sreedhar
10/1/2023

SCHOOL OF NURSING, K.E.M. HOSPITAL, PAREL, MUMBAI - 12.

B.P.M.T SECOND YEAR TIME TABLE 2022-2023.

DATE	TIME	HOURS LECTURE CUM DEMO	TOPIC	Name of the S.Tutor	SIGN
16/01/2023	1.00pm to 3.00pm	2 Hrs	Temperature, Pulse, respiration recording.		
17/01/2023	1.00 pm to 3.00 pm	2 Hrs	Blood pressure recording		
18/01/2023	1.00 pm to 3.00 pm	2 Hrs	Care of mouth and Skin care		
19/01/2023	1.00 pm to 3.00 pm	2 Hrs	Types and care of Oxygen cylinders and Administration of oxygen		
20/01/2023	1.00 pm to 3.00 pm	2 Hrs	OT environment control and lighting system		
23/01/2023	1.00 pm to 3.00 pm	2 Hrs	Care & preparation of an unconscious patients for Catheterization		
24/01/2023	1.00 pm to 3.00 pm	2 Hrs	Care & preparation of an unconscious patients for Lumbar puncture.		
25/01/2023	1.00 pm to 3.00 pm	2 Hrs	Care & preparation of an unconscious patients for aspiration of abdominal cavity and chest		
27/01/2023	1.00 pm to 3.00 pm	2 Hrs	Passage of gastric tube. Giving fluids by mouth, Ryle's tube.		
27/01/2023	1.00 pm to 3.00 pm	2 Hrs	Enema, procedure of giving bedpan and urinals.		
30/01/2023	1.00 pm to 3.00 pm	2 Hrs	Injections by IM, SC, ID, IV routes.		
31/01/2023	1.00 pm to 3.00 pm	2 Hrs	Administration of medicine by oral and other routes		
02-01-2023	1.00 pm to 3.00 pm	2 Hrs	Nursing care during convulsions, poisoning		
02-02-2023	1.00 pm to 3.00 pm	2 Hrs	Nursing care during asphyxia, and anaphylactic shock		
02-03-2023	1.00 pm to 3.00 pm	2 Hrs	Nursing care during infectious diseases like chicken pox, small pox, typhoid		
02-06-2023	1.00 pm to 3.00 pm	2 Hrs	Nursing care during infectious diseases like pulmonary tuberculosis and infective hepatitis.		
02-07-2023	1.00 pm to 3.00 pm	2 Hrs	Handling of articles while caring of patients infected with infectious disease.		

02-08-2023	1.00 pm to 3.00 pm	2 Hrs	Nursing care during common diseases like myocardial infarction, congestive cardiac failure, pneumonia, peptic ulcer etc.		
02-09-2023	1.00 pm to 3.00 pm	2 Hrs	Intake Output chart and Diet sheet charts		
02-10-2023	1.00 pm to 3.00 pm	2 Hrs	Study of various blood groups		
13/2/2023	1.00 pm to 3.00 pm	2 Hrs	Method of blood transfusion, Indication, hazards of blood transfusion.		
14/2/2023	1.00 pm to 3.00 pm	2 Hrs	Diabetes- Blood collection for blood sugar measurement, HGT		
15/2/2023	1.00 pm to 3.00 pm	2 Hrs	Maintaining records and arranging ,laballing drugs as per order		
16/2/2023	1.00 pm to 3.00 pm	2 Hrs	Communication skills and other soft skills		
17/2/2023	1.00 pm to 3.00 pm	2 Hrs	Receiving and identification of patient in OT,Records and investigation		

CO-ORDINATOR:-

Sr.T. Vishakha Bhoer.

V Bhoer

Sr.T.Rajashree Parab .

R Parab

Micro. 2019

DEPARTMENT OF MICROBIOLOGY
SETH GSMC & KEMH PAREL, MUMBAI-12

Date: 03.12.19

Lecture schedule: BPMT-OT Anaesthesia (1st yr.) 2019 batch & BPMT- Perfusion (1st yr.) 2019 batch.

Lecture: 12pm-1 pm; Venue: Seminar hall, 5th floor, MSB

Demonstration cum practical: 1pm-2 pm Venue: Practical Class, Microbiology, 1st floor, college building.

Date/Day	Lecture Topic	Teacher	Demonstration/Practical	Teacher
COMBINED LECTURES (OT & PERFUSION)				
Monday 9.12.19	Common types of bacteria and their characteristics	Dr. Pallavi Surase	Demonstration of Gram and Ziehl Neelsen staining	Dr. Deepal Shah
Tuesday 10.12.19	Bacteria: Mode of spread and effects	Dr. Vijaya Torane	Morphology of bacteria	Dr. Priyanka Singh
Thursday 12.12.19	Principles of asepsis/disinfection /Prevention of cross infections & antiseptics used in O. T.	Dr. Alpana Wagh	Disinfection: preparation and its uses	Dr. Amrita Gupta
Monday 16.12.19	Sterilization techniques: Autoclave parts/ principle/ working/care/maintenance	Dr. Vaishali Surase	Demonstration of functioning of autoclave in Micro lab	Dr. Ashwini Mankar
Tuesday 17.12.19	Sterilization of blunt/sharp instruments/rubber material/ gloves/polythene tubes/ sutures /ligatures/surgical cautery Central Sterile supply room CSSD	Dr. Shreeraj Talwadekar	Visit to CSSD room	Dr. Vikash Ranjan
Thursday 19.12.19	Biomedical waste: colour code/ needle destruction/Personal care	Dr. P. L. Kashyap	BMW management: Visit BMW storage room & one ward	Dr. Madura Bharti
Monday 23.12.19	Biosafety	Dr. Pradnya Kale	Visit to Microbiology lab- All divisions	Dr. Deepal Shah
Tuesday 24.12.19	Sterilization of O.T- Fumigation/Fogging	Dr. Ranjana Thate	Visit to operation theatre for fumigation techniques	Dr. Priyanka Singh
Thursday 26.12.19	Methods of swab collection from O.T. after fumigation. Collection and dispatch of samples for Sterility	Dr. Swati Vijay	Visit to operation theatre for post fumigation swab collection	Dr. Amrita Gupta
Monday 30.12.19	Microbiology- Procedure of Sterility test.	Dr. Meena Jinwal	Microbiology laboratory visit: Procedure for sterility check	Dr. Ashwini Mankar
Tuesday 31.12.19	Sterilization of Endoscopic/ Laparoscopic instruments and Journal checking	Dr. Shweta Kedari	Visit to the endoscopic room	Dr. Vikash Ranjan
LECTURES (PERFUSION)				
Monday 2.1.20	General precaution in lab- USP/ Standard Precautions	Dr. Roopal Nipurte		
Tuesday 6.1.20	Method of collection of biological specimens	Dr. Pallavi Surase		
Thursday 7.1.20	Preservation and disposal of biological specimen	Dr. Vijaya Torane		
Monday 9.1.19	Control and prevention of infection	Dr. Alpana Wagh		
Tuesday 13.1.20	Revision	Dr. Sunil Kuyare and Dr. Pradnya Kale		

Prof and HOD **Dr. Gita Nataraj**
Department of Microbiology
Prof. & Head

Department of Microbiology
Seth G. S. Medical College &
K. E. M. Hospital

NB 0 1 000

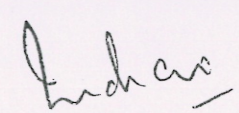
DEPARTMENT OF ANAESTHESIA
Seth G. S. Medical College & KEM Hospital, Parel, Mumbai -12

2nd Year BPMT Lecturs Time-11AM to 12 PM

Sr. No.	Date	Topic	Faculty
1.	18.11.2019	Preanesthetic evaluation & consent for anaesthesia WHO protocol for preanesthesia	Dr. Madhavi Buddhi Dr. Siddhi
2.	21.11.2019	Preprocedure Protocol 10 Golden Rules of Anaesthesia	Dr. Manali Nadkarni Dr. Ravindra Kamble
3.	25.11.2019	Anaesthesia Machine Part I - Machine	Dr. Shraddha Mathkar Dr. Tejaswini
4.	28.11.2019	Anaesthesia Machine Part II - Circular	Dr. Isha Singhal Dr. Vaishakh
5.	02.12.2019	Drugs in Anaesthesia a) Premedication – Atropine, Glyco, Ondansetron, Ranitidine, Midazolom, Pentazocine	Dr. Shashikant Shinde Dr. Sunil Magar
6.	05.12.2019	b) Local Anaesthetics	Dr. Aarti Kulkarni Dr. Vineet
7.	09.12.2019	c) Analgesics – Fentanyl, NSAIDS, COX II inhibitors etc.	Dr. Gauri Gangakhedkar Dr. Binish
8.	12.12.2019	d) Induction Agents – Propofol, Thiopentone, Ketamine, Etomidate	Dr. Uma Kamat Dr. Ravikumar
9.	16.12.2019	e) Muscle Relaxants	Dr. Pallavi Waghalkar Dr. Dhvani
10.	19.12.2019	Type of Anaesthesia a) Local Anaesthesia	Dr. Priti Devalkar Dr. Swarupa
11.	23.12.2019	b) Spinal & Epidural Anaesthesia	Dr. Yogita Patil Dr. Madhulika
12.	26.12.2019	c) General Anaesthesia	Dr. Bhagyashree Soor Dr. Dipti
13.	30.12.2019	d) Regional Anaesthesia (Blocks)	Dr. Sneha Nikam Dr. Pooja K.
14.	02.01.2020	Gas cylinders, Central supply, Central suction, Electrical suction	Dr. Anjana Wajekar Dr. Manish
15.	06.01.2020	Oxygen Therapy	Dr. Atul Walzade Dr. Ranjeetha
16.	09.01.2020	Maintenance of Anaesthesia equipment, records and charts	Dr. Gayatri Sakrikar Dr. Ghause Md.
17.	13.01.2020	Role of technician in post-anaesthesia case	Dr. Nutan Kharge Dr. Nandu
18.	16.01.2020	Electrical equipments & fire safety in OT	Dr. Abhilasha Motghare Dr. Rohit W.

→ Identifiact of resuscitat equipment
- Ambu/ETT/Trach tube

→ Drugs in catn lab = β blocker,
Heparin, angiodye


PROFESSOR & HEAD
DEPT. OF ANAESTHESIOLOGY
SETH G. S. M. C. & K. E. M. H.

DEPARTMENT OF ANAESTHESIA

Seth G. S. Medical College & KEM Hospital, Parel, Mumbai -12

2nd Year BPMT Lectures

Time:- 12-1pm

Venue:- LPCR room

Sr. No.	Date	Topic	Faculty
1.	4-1-23	Preanesthetic evaluation & consent for anaesthesia WHO protocol for preanesthesia	Dr. Yogesh Dr. Amal Dr. Devanand
2.	7-1-23	Preprocedure Protocol 10 Golden Rules of Anaesthesia	Dr. Isha Dr. Ketan Patel Dr. Neethu.
3.	11-1-23	Anaesthesia Machine Part I - Machine	Dr. Shamala Dr. Vinod D. Dr. Harshal S.
4.	18-1-23	Anaesthesia Machine Part II - Circuits	Dr. Uma Dr. Dipa C. Dr. Pranali
5.	21-1-23	Drugs in Anaesthesia a) Premedication – Atropine, Glyco, Ondansetron, Ranitidine, Midazolom, Pentazocine	Dr. Shrikanta Dr. Dhairal Dr. Pralap
6.	25-1-23	b) Local Anaesthetics	Dr. Sunil Dr. Priyanka I Dr. Aishwarya
7.	28-1-23	c) Analgesics – Fentanyl, NSAIDS, COX II inhibitors, etc.	Dr. Aarti K. Dr. Kavipriya Dr. Shimoda
8.	1-2-23	d) Induction Agents – Propofol, Thiopentone, Ketamine, Etomidate	Dr. Nihar Dr. Shefali P Dr. Grahesh
9.	4-2-23	e) Muscle Relaxants	Dr. Yogita Dr. Shefali M. Dr. Parthiv.
10.	8-2-23	Type of Anaesthesia a) Monitored anaesthesia care	Dr. Uma Dr. Meenakshi R. Dr. Nilesh
11.	11-2-23	b) Spinal & Epidural Anaesthesia	Dr. Prati Dr. Jhanvi Dr. Maital
12.	15-2-23	c) General Anaesthesia	Dr. Shraddha D. Dr. Nilesh Dr. Bhagyashri
13.	22-2-23	d) Regional Anaesthesia (Blocks)	Dr. Sanjivani Dr. Sumedha Dr. Dhanaakhee
14.	25-2-23	Gas cylinders, Central supply, Central suction, Electrical suction	Dr. Yogita P. Dr. Reduka Dr. Sayali B.
15.	1-3-23	Oxygen Therapy	Dr. Pallavi Dr. Sridivya Dr. Sanjukta
16.	4-3-23	Maintenance of Anaesthesia equipment, records and charts	Dr. Madhavi B. Dr. Dhruvini Dr. Jemima
17.	11-3-23	Role of technician in post-anaesthesia care	Dr. Aarti Dr. Chhavi Dr. Sayali D.
18.	15-3-23	Electrical equipments & fire safety in OT	Dr. Shikant Dr. Sameer Dr. Amol.

DEPARTMENT OF ANAESTHESIA

Seth G. S. Medical College & KEM Hospital, Parel, Mumbai -12

2nd Year BPMT Lectures

Time:- 11-12 pm
Venue: CPR room.

Sr. No.	Date	Topic	Faculty
1.	5-2-24	Preanesthetic evaluation & consent for anaesthesia WHO protocol for preanesthesia	Dr. Yogesh Dr. Ganju Dr. Devanand.
2.	7-2-24	Preprocedure Protocol 10 Golden Rules of Anaesthesia	Dr. Chhavi Dr. Ketan Parel Dr. Neethu
3.	9-2-24	Anaesthesia Machine Part I - Machine	Dr. Shamala Dr. Jhanvi Dr. Harshad S.
4.	12-2-24	Anaesthesia Machine Part II - Circular	Dr. Uma Dr. Dipa C. Dr. Pranali
5.	14-2-24	Drugs in Anaesthesia a) Premedication – Atropine, Glyco, Ondansetron, Ranitidine, Midazolam, Pentazocine	Dr. Shrikanta Dr. Eksha Dr. Pratap
6.	16-2-24	b) Local Anaesthetics	Dr. Sunil Dr. Shweta Satia Dr. Ashwarya
7.	21-2-24	c) Analgesics – Fentanyl, NSAIDS, COX II inhibitors etc.	Dr. Aarti K. J. Dr. Priyanka P. Dr. Shrimona
8.	23-2-24	d) Induction Agents – Propofol, Thiopentone, Ketamine, Etomidate	Dr. Nisar Dr. Sudha Dr. Ganesh
9.	26-2-24	e) Muscle Relaxants	Dr. Yogita P. Dr. Rupali Dr. Priharvy.
10.	28-2-24	Type of Anaesthesia a) Local Anaesthesia	Dr. Uma J. Dr. Yogita A. Dr. Nilesh
11.	1-3-24	b) Spinal & Epidural Anaesthesia	Dr. Priti Dr. Syama Dr. Sasmira
12.	4-3-24	c) General Anaesthesia	Dr. Shraddha D. Dr. Shrut Shah Dr. Bhagyashree
13.	6-3-24	d) Regional Anaesthesia (Blocks)	Dr. Sanjivani Dr. Musfarah Dr. Dhanashree T.
14.	8-3-24	Gas cylinders, Central supply, Central suction, Electrical suction	Dr. Yogita P. Dr. Siddhvi Dr. Sayali B.
15.	11-3-24	Oxygen Therapy	Dr. Pallavi Dr. Tanvi Dr. Samukta
16.	13-3-24	Maintenance of Anaesthesia equipment, records and charts	Dr. Madhavi B. Dr. Dhvani Dr. Jemina
17.	15-3-24	Role of technician in post-anaesthesia case	Dr. Aarti K. Dr. Mansi Shah Dr. Sayali D.
18.	18-3-24	Electrical equipments & fire safety in OT	Dr. Shashikant Dr. Anjali Sahoo Dr. Elanjagan.

3rd Year BPMT Lectures

3rd Year BPMT Lecture

Time:- 11-12 pm.
Venue:- CPR room.

Sr. No.	Date	Topic	Faculty
1.	6-2-24	Management of Patient in Casualty, Emergency Procedure, Trauma, Shock	Dr. Rasika Dr. Sharayu P.
2.	8-2-24	Orthopaedic Surgery (1 st Aid of fractures, rpe air, dislaection Application of splints)	Dr. Niyati Dr. Pratiksha R.
3.	10-2-24	Poisoning (OP, Snake, Scorpion bite, Sedative poisoning)	Dr. Vidya T. Dr. Ashwini S.
4.	13-2-24	Burns - (Rule of 9, First Aid), Heat stroke & exhaustion	Dr. Renuka Dr. Shourya B.
5.	15-2-24	Cardiothoracic surgery Cath Lab Procedures	Dr. Shraddha Dr. Vishakha
6.	17-2-24	Transport of Patient	Dr. Sneha C. Dr. Shikha K.
7.	20-2-24	Common Causes & First Aid of Unconscious Patient	Dr. Arundhati (S.R.) Dr. Anusha
8.	22-2-24	Introduction to various equipment. Equipments used in OT → Surgical & Anaesthetic	Dr. Aarti K. Dr. Shrutisomi
9.	24-2-24	Uses & Maintenance of Defibrillator	Dr. Nirav Dr. Samina
10.	27-2-24	Standard Monitors & Maintenance	Dr. Pallavi W. Dr. Mahalaxmi
11.	29-2-24	Blood & Blood Products	Dr. Pratika Dr. Rameshwari
12.	2-3-24	IV Fluids & IV Access	Dr. Mangalagouri Dr. Urvi Ashi
13.	5-3-24	Maintenance Case & Utility of High End Equipment	Dr. Uma Dr. Shivani N.
14.	7-3-24	CPCR (Special Situations)	Dr. Dhanashri K. Dr. Seema.
15.	9-3-24	Neuro-Anaesthesia & Surgery	Dr. Shamala Dr. Neha Pawar
16.	12-3-24	Paediatric Anaesthesia & Surgery	Dr. Vaishali Dr. Sharayu G.
17.	14-3-24	Urological Surgery	Dr. Sunil Dr. Rashi K.
18.	16-3-24	GI Surgery	Dr. Sanjivani Dr. Athira.

19.	19-3-24	Onco Surgery	Dr. Madhavi B. Dr. Rengesh
20.	21-3-24	Brain Death & Organ Transplant	Dr. Shrikanta Dr. Arundhati A.
21.	23-3-24	Labour Analgesia Obstetric Surgery	Dr. Priti D. Dr. Varun .
22.	26-3-24	Modular Theatre Functioning	Dr. Dhwanii Dr. Rajeev.

Aghudalkar.
2/2/24.

Professor & Head,
Department of
Anaesthesia.

PROFESSOR & HEAD
DEPT. OF ANAESTHESIOLOGY
SETH G. S. M. C. & K. E. M. H
PAREL, MUMBAI - 400-012

B.Sc in PMT batch 2020-21

SCHEDULE FOR CLASSES IN ANATOMY

Date	Time	Topic
TUESDAY, Dec 22, 2020	1:30 pm	Introduction to Anatomical terms
	2:30 pm	Introduction to Bones, Muscles, Joints
	3:30 pm	Introduction to organs systems
THURSDAY, Dec 24, 2020	1:30 pm	Classification of Joints
	2:30 pm	Clavicle, Scapula, Humerus
	3:30 pm	Radius, Ulna, Articulated hand
TUESDAY, Dec 29, 2020	1:30 pm	Hip bone
	2:30 pm	Femur, Patella
	3:30 pm	Tibia, Fibula, Articulated foot,
THURSDAY, Dec 31, 2020	1:30 pm	Skull – Norma verticalis, Norma lateralis
	2:30 pm	Skull – Norma frontalis, Norma occipitalis
	3:30 pm	Skull – Norma basalis, Cranial cavity
TUESDAY, Jan 5, 2021	1:30 pm	Cervical vertebrae, Thoracic vertebrae
	2:30 pm	Lumbar vertebrae, Sacrum, Bony pelvis
	3:30 pm	Sternum, Ribs
THURSDAY, Jan 7, 2021	1:30 pm	Revision of bones
	2:30 pm	I PERIODICAL TEST
	3:30 pm	
TUESDAY, Jan 12, 2021	1:30 pm	Respiratory system – Nose, Pharynx, Larynx
	2:30 pm	Respiratory system – Trachea, Bronchial tree, Lungs
	3:30 pm	Mediastinum – division and contents, Pericardium
THURSDAY, Jan 14, 2021	1:30 pm	Heart (Borders, surfaces, interior, blood supply)
	2:30 pm	Valves of the heart
	3:30 pm	Coronary arteries, Coronary sinus
TUESDAY, Jan 19, 2021	1:30 pm	Revision of CVS, RS
	2:30 pm	II PERIODICAL TEST
	3:30 pm	
THURSDAY, Jan 21, 2021	1:30 pm	Tongue, oral cavity, salivary glands
	2:30 pm	Oesophagus, Stomach
	3:30 pm	Small and large intestine
THURSDAY, Jan 28, 2021	1:30 pm	Liver, Gall bladder, Pancreas
	2:30 pm	Kidneys, Ureters
	3:30 pm	Urinary bladder, Urethra
TUESDAY, Feb 2, 2021	1:30 pm	TERMINAL EXAM THEORY
	2:30 pm	
	3:30 pm	
THURSDAY, Feb 4, 2021	1:30 pm	TERMINAL EXAM PRACTICAL
	2:30 pm	
	3:30 pm	
TUESDAY, Feb 9, 2021	1:30 pm	Male reproductive system
	2:30 pm	Female Reproductive system
	3:30 pm	Accessory Female Reproductive system

THURSDAY, Feb 11, 2021	1:30 pm	Endocrine glands
	2:30 pm	Muscle groups of upper limb
	3:30 pm	Muscle groups of lower limb
TUESDAY, Feb 16, 2021	1:30 pm	Muscles of Head & Neck
	2:30 pm	Muscles of Trunk
	3:30 pm	Revision of organs
THURSDAY, Feb 18, 2021	1:30 pm	Genetics - Overview
	2:30 pm	Genetics - Chromosomes
	3:30 pm	Genetics – Modes of inheritance
TUESDAY, Feb 23, 2021	1:30 pm	Introduction to nervous system, Spinal cord
	2:30 pm	Medulla, Pons, Midbrain
	3:30 pm	Cerebellum
THURSDAY, Feb 25, 2021	1:30 pm	Basal ganglia, Thalamus, Hypothalamus
	2:30 pm	Cerebrum – Sulci & Gyri
	3:30 pm	Cerebrum – White matter & ventricles
TUESDAY, Mar 2, 2021	1:30 pm	Blood supply of Cerebrum, Cerebellum
	2:30 pm	Orbital cavity, Eyeball
	3:30 pm	Ear, auditory pathway
THURSDAY, Mar 4, 2021	1:30 pm	Revision of CNS
	2:30 pm	III PERIODICAL TEST
	3:30 pm	

Note: 1. Schedule for Prelims exam will be notified after completion of syllabus.

2. Classes in Anatomy will be held only on Tuesday and Thursday from 1.30pm to 4.30pm

B.Sc in PMT batch 2020-21

SCHEDULE FOR CLASSES IN ANATOMY

Date	Time	Topic
TUESDAY, Dec 22, 2020	1:30 pm	Introduction to Anatomical terms
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Note: 1. Schedule for Prelims exam will be notified after completion of syllabus.

2. Classes in Anatomy will be held only on Tuesday and Thursday from 1.30pm to 4.30pm

SCHOOL OF NURSING, K.E.M. HOSPITAL, PAREL, MUMBAI - 12.

B.P.M.T FIRST YEAR TIME TABLE -2022.

Sr. No	DATE	TIME	TOPIC	Sr. T. Name
1	28-12-2021	11AM To 1 PM	Introduction to O.T. Verious Zone and its importance, Lay out, Lighting facility.	Sr.T. Vishakha Bhoer
2	31-12-2021	11AM To 1 PM	Identification of instrument & Lay out of Instrument trolley	S/I Medha Komurlekar
3	05-01-2022	11AM To 1 PM	Cleanlines & Sterlization of O.T & Preparation of Dressing, swabs and pack packing of ?Drum & Sterlization	Sr.T. Sangeeta Lad
4	06-01-2022	11AM To 1 PM	Reception and preparation of patients for surgery, pre procedure protocol(check list)	Sr.T. Padmaja Naik
5	07-01-2022	11AM To 1 PM	Consent & Medico legal Aspect, defination, type, Contents Surgery/Blood Tranfusion/anesthesia/when R.M.O./	Sr.T. Suchita Henry
6	09-01-2022	11AM To 1 PM	Helping surgeons and other to wash up and drape for operation, Handling of sterlized articles.	Sr.T. Jyotsna Jadhav
7	10-01-2022	11AM To 1 PM	Washing, Cleaning, testing & repairing of gloves & preparing for sterlization & packing	Sr.T. Smita Padiye
8	11-01-2022	11AM To 1 PM	Use, care, maintence and sterlization of comman type of instrument, needle, sutures and ligatures usedin operation theatres	Sr.T. Sushila Nair
9	12-01-2022	11AM To 1 PM	procedure for sending specimen for biopsy, and aspirated fluid for culture.	Sr.T. Chhya Pawar
10	13-01-2022	11AM To 1 PM	Operative and nursing procedure connected with common surgical operations such as assiting for biopsies, debridement of bedsores.	Sr.T. Vaishali Chavan
11	14-01-2022	11AM To 1 PM	Operative and nursing procedure connected with common surgical operations such as assiting for incision of abscess,carbuncles, excision	Sr.T. Arya Deshmukh
12	14-01-2022	11AM To 1 PM	Operative and nursing procedures connectd with common surgical operations such as assisting for ulcers,in growing nails, foreigh	Sr.T. Dipali Gijare
13	14-01-2022	11AM To 1 PM	Operative and nursing procedures connectd with common surgical operations such as assisting for rectal operations like piles, fistula,	
14	17-01-2022	11AM To 1 PM	Observation of patients during operation, post, operative period	Sr.T. Rajeshree Parab
15	18-01-2022	11AM To 1 PM	Observation of patients during operation, post, operative period	
16	19-01-2022	11AM To 1 PM	Application of bandages	Sr.T. Madhuri Dandawate
17	21-01-2022	11AM To 1 PM	Application of dressing , tourniquets	Br.T. Ravindra Markad
18	24//01/2022	11AM To 1 PM	Methods of application and uses of different types of splints	Sr.T. Swara Avhad
19	25-01-2022	11AM To 1 PM	Plaster of paris techniques, prepartation, application and removal	Sr.T. Vaidehi Padwal
20	27-01-2022	11AM To 1 PM	Universal safety precautions	Sr.T. Hemlata Torne
21	28-01-2022	11AM To 1 PM	Disposal of Biomedical waste	Sr.T. Chhya Adhale

Co- ORDINATOR :-

Sr.T. Arya Deshmukh

Br.T. Ravindra Markad

Ravindra Markad

28/12/2021
for **PRINCIPAL**
School of Nursing
K. E. M. Hospital
Parel, Mumbai - 400 012.

DEPARTMENT OF ANAESTHESIA
Seth G. S. Medical College & KEM Hospital, Parel, Mumbai -12

No. Anaesth/389/21.
Date : 19.07.2021

To,
The Professor & Head,
Department of Cardiology,
Seth G. S. Medical College &
KEM Hospital, Parel,
Mumbai – 400 012.

Sub :- Lecture Schedule of BPMT Students.

Respected Sir,

We are sending schedule of lecture series for 1st Year BPMT students of Cardiology Department.

Lectures will be held in CPR Room, Anaesthesia Department at 2.00 pm.

Sr. No.	Lecture Topic	Date	Faculty
1.	Types of Anaesthesia General Anaesthesia	19.07.2021 (Monday)	Dr. Pallavi Waghalkar
2.	Identification and use of resuscitation equipment	20.07.2021 (Tuesday)	Dr. Nutan Kharge
3.	Regional Anaesthesia Local Anaesthesia	21.07.2021 (Wednesday)	Dr. Aarti Kulkarni
4.	Preprocedural evaluation / Consent / Position of Patient	22.07.2021 (Thursday)	Dr. Uma Kamat
5.	Drugs in Cath Lab	24.07.2021 (Saturday)	Dr. Shraddha Devrukhkar

Thanking you.

Yours sincerely,

BC
/ (Dr. Indrani Chincholi)
Professor & Head,
Department of Anaesthesia.

PROFESSOR & HEAD
DEPT. OF ANAESTHESIOLOGY
SETH G. S. M. C. & K. E. M. H.
PAREL, MUMBAI - 400 012.

*Received
Somnath
19/7/21*

DEPARTMENT OF ANAESTHESIA
Seth G. S. Medical College & KEM Hospital, Parel, Mumbai -12

No. Anaesth / 1112 / 19.
Date : 14/12/2019

To,
The Professor & Head,
Department of Cardiology,
Seth G. S. Medical College &
KEM Hospital, Parel,
Mumbai – 400 012.

Sub :- Lecture Schedule of BPMT Course – 1st Year (A.Y. 2019-20).

Respected Sir,

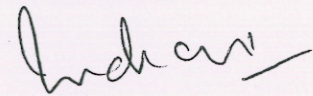
We are sending schedule of lecture series for 1st Year BPMT students of Cardiology Department.

Kindly note the lecture venue is CPR Room, Anaesthesia Dept. & time is 11.00 am – 12.00 pm.

Sr. No.	Lecture Topic	Date
1.	Types of Anaesthesia (Local)	19.12.2019
2.	Epidural Anaesthesia	23.12.2019
3.	General Anaesthesia	26.12.2019
4.	Regional Anaesthesia	30.12.2019
5.	Local Anaesthesia	27.12.2019
6.	Drugs in Cath Lab	03.01.2020
7.	Identification and use of resuscitation equipment	04.01.2020
8.	Preprocedural evaluation, Consent, Position of Patient	08.01.2020

Thanking you.

Yours sincerely,



(Dr. Indirani Chincholi)
Professor & Head,
Department of Anaesthesia.

PROFESSOR & HEAD
DEPT. OF ANAESTHESIOLOGY
SETH G. S. M. C. & K. E. M. H.
PAREL, MUMBAI - 400 012.

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12/12/19

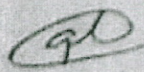
DEPARTMENT OF MICROBIOLOGY
SETH GSMC & KEMH PAREL, MUMBAI-12

Date: 15.12.20

Lecture schedule: BPMT-OT Anaesthesia (Ist yr.) 2020 batch & BPMT- Perfusion (Ist yr.) 2020 batch.

Lecture: 12pm-1 pm; Venue: Online

Date/Day	Lecture Topic	Teacher
	COMBINED LECTURES (OT & PERFUSION)	
Monday 04.01.21	Common types of bacteria and their characteristics	Dr. P L Kashyap
Tuesday 05.01.21	Bacteria: Mode of spread and effects	Dr. Meena Jinwal
Thursday 07.01.21	Principles of asepsis/disinfection /Prevention of cross infections & antiseptics used in O. T.	Dr. Deepal Shah
Monday 11.01.21	Sterilization techniques: Autoclave parts/ principle/ working/care/maintenance	Dr. Roopal Nipurte
Tuesday 12.01.21	Sterilization of blunt/sharp instruments/rubber material/ gloves/polythene tubes/ sutures /ligatures/surgical cautery Central Sterile supply room CSSD	Dr Swati Vijay
Thursday 14.01.21	Biomedical waste: colour code/ needle destruction/Personal care	Dr. Shreeraj Talwadekar
Monday 18.01.21	Biosafety	Dr. Pradnya Kale
Tuesday 19.01.21	Sterilization of O.T- Fumigation/Fogging	Dr. Ranjana Thate
Thursday 21.01.21	Methods of swab collection from O.T. after fumigation. Collection and dispatch of samples for Sterility	Dr. P L Kashyap
Monday 25.01.21	Microbiology- Procedure of Sterility test.	Dr. Meena Jinwal
Thursday 28.01.21	Sterilization of Endoscopic/ Laparoscopic instruments and Journal checking	Dr. Deepal Shah
	LECTURES (PERFUSION)	
Monday 01.02.21	General precaution in lab- USP/ Standard Precautions	Dr Swati Vijay
Tuesday 02.02.21	Method of collection of biological specimens	Dr. Shreeraj Talwadekar
Thursday 04.02.21	Preservation and disposal of biological specimen	Dr. Pradnya Kale
Monday 08.02.21	Control and prevention of infection	Dr. Ranjana Thate
Tuesday 09.02.21	Revision	Dr. Shreeraj Talwadekar and Dr. Pradnya Kale


Prof and HOD,
Department of Microbiology

SCHOOL OF NURSING, K.E.M. HOSPITAL, PAREL, MUMBAI - 12.
B.P.M.T SECOND YEAR TIME TABLE -2022.

DATE	TIME	HOURS LECTURE CUM DEMO	TOPIC	Sr.T. NAME
05-01-2022	1 PM to 3 PM	2 Hrs	Temperature, Pulse, respiration recording.	Sr.T. Padmaja Naik
06-01-2022	1 PM to 3 PM	2 Hrs	Blood pressure recording	Sr.T. Sangeeta Lad
07-01-2022	1 PM to 3 PM	2 Hrs	Care of mouth	Sr.T. Vishakha Bhoer
09-01-2022	1 PM to 3 PM	2 Hrs	Types and care of Oxygen cylinders	Br.T. Ravindra Markad
10-01-2022	1 PM to 3 PM	2 Hrs	Administration of oxygen	Sr.T. Sware Avhad
11-01-2022	1 PM to 3 PM	2 Hrs	Care & preparation of an unconscious patients for Catheterization	
12-01-2022	1 PM to 3 PM	2 Hrs	Care & preparation of an unconscious patients for Lumbar puncture.	Sr.T. Smita Padiye
13-01-2022	1 PM to 3 PM	2 Hrs	Care & preparation of an unconsciour patients for aspiration of abdominal cavity and chest	Sr.T. Arya Deshmukh
14-01-2022	1 PM to 3 PM	2 Hrs	Passage of gastric tube. Giving fluids by mouth, Ryle's tube.	Sr.T. Hemlata Torne
17-01-2022	1 PM to 3 PM	2 Hrs	Enema	Sr.T. Chhaya Pawar
18-01-2022	1 PM to 3 PM	2 Hrs	Injections by IM, SC, ID, IV routes.	Sr.T. Rajashree Parab
19-01-2022	1 PM to 3 PM	2 Hrs	Administration of medicine by oral and other routes	
20-01-2022	1 PM to 3 PM	2 Hrs	Nursing care during convulsions, poisoning	
21-01-2022	1 PM to 3 PM	2 Hrs	Nursing care during asphyxia, and anaphylactic shock	
24-01-2022	1 PM to 3 PM	2 Hrs	Nursing care during infectious diseases like chicken pox, small pox, typhoid	Sr.T. Medha Komurlekar
25-01-2022	1 PM to 3 PM	2 Hrs	Nursing care during infectious diseases like pulmonary tuberculosis and infective hepatitis.	
27-01-2022	1 PM to 3 PM	2 Hrs	Handling of articles while caring of patients infected with infectious disease.	
31-01-2022	1 PM to 3 PM	2 Hrs	Nursing care during common diseases like myocardial infarction, congestive cardiac failure, pneumonia, peptic	Sr.T. Vaidehi Padwal
01-02-2022	1 PM to 3 PM	2 Hrs	Study of various blood groups	
02-02-2022	1 PM to 3 PM	2 Hrs	Method of blood transfusion, Indication, hazards of blood transfusion.	Sr.T. Suchita Henry
03-02-2022	1 PM to 3 PM	2 Hrs	Diabetes- Blood collection for blood sugar measurement, HGT	Sr.T. Chhay Adhale
03-02-2022	1 PM to 3 PM	2 Hrs	Diet sheets and charts / I/O	Sr.T. Madhuri Dandwate
04-02-2022	1 PM to 3 PM	2 Hrs	Communication skills and other soft skills	Sr.T. Jyotsna Jadhav
05-02-2022	1 PM to 3 PM	2 Hrs	Care of skin	Sr.T. Vaishali Chavan

Co- ORDINATOR :-

Sr.T. Arya Deshmukh

Br.T. Ravindra Markad

(Signature)

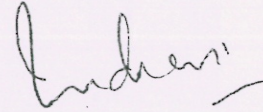
for PRINCIPAL
 School of Nursing
 K. E. M. Hospital
 Parel, Mumbai - 400 012.

DEPARTMENT OF ANAESTHESIA
Seth G. S. Medical College & KEM Hospital, Parel, Mumbai -12

3rd Year BPMT Lecturs Time-11AM to 12 PM

Sr. No.	Date	Topic	Faculty
1.	19.11.2019	Management of Patient in Casualty, Emergency Procedure, Trauma, Shock	Dr. Gayatri Sakrikar Dr. Melissa
2.	22.11.2019	CPCR (Special Situations)	Dr. Anjana Wajekar Dr. Anjali R.
3.	26.11.2019	Orthopaedic Surgery (1 st Aid of fractures, repair dislocation, Application of splints)	Dr. Nutan Kharge Dr. Madhuri B.
4.	29.11.2019	Poisoning (OP, Snake, Scorpion bite, Sedative poisoning)	Dr. Sneha Nikam Dr. Noopur C.
5.	03.12..2019	Burns – (Rule of 9, First Aid), Heat stroke & exhaustion	Dr. Bhagyashree Soor Dr. Bharat
6.	06.12.2019	Cardiothoracic surgery, Cath Lab Procedures	Dr. Yogesh Naik Dr. Poonam S.
7.	10.12.2019	Transport of Patient	Dr. Gauri Gangakhedkar Dr. Manopravin
8.	13.12.2019	Common Causes & First Aid of Unconscious Patient	Dr. Abhilasha Motghare Dr. Supriya
9.	17.12.2019	Introduction to various equipment. Equipments used in OT → Surgical & Anaesthetic	Dr. Dnyanesh Kashikar Dr. Sandhya
10.	20.12.2019	Uses & Maintenance of Defibrillator	Dr. Sunil Chapane Dr. Shruti M.
11.	24.12.2019	Standard Monitors & Maintenance	Dr. Atul Walzade Dr. Renuka
12.	27.12.2019	Blood & Blood Products	Dr. Uma Kamat Dr. Rajesh
13.	31.12.2019	IV Fluids & IV Access	Dr. Vaishali Chaskar Dr. Anusha
14.	03.01.2020	Maintenance Case & Utility of High End Equipment	Dr. Priti Devalkar Dr. Jhanvi
15.	07.01.2020	Neuro-Anaesthesia & Surgery	Dr. Yogita Patil Dr. Fatema
16.	10.01.2020	Paediatric Anaesthesia & Surgery	Dr. Manali Nadkarni Dr. Tejaswini
17.	14.01.2020	Urological Surgery	Dr. Pallavi Waghalkar Dr. Sneha Toal

18.	17.01.2020	GI Surgery	Dr. Madhavi Buddhi Dr. Arunraj
19.	21.01.2020	Onco Surgery	Dr. Shashikant Shinde Dr. Ashwin
20.	24.01.2020	Brain Death & Organ Transplant	Dr. Aarti Kulkarni Dr. Madhuri M.
21.	28.01.2020	Labour Analgesia Obstetric Surgery	Dr. Shraddha Mathkar Dr. Anu
22.	31.01.2020	Modular Theatre Functioning	Dr. Isha Singhal Dr. Rohan



(Dr. Indrani Chincholi)
Professor & Head,
Department of Anaesthesia.

PROFESSOR & HEAD
DEPT. OF ANAESTHESIOLOGY
SETH G. S. MEHAR & A. E. M. H.
PAREL, MUMBAI - 400 012.

SCHOOL OF NURSING, K.E.M. HOSPITAL, PAREL, MUMBAI

No:KEM/211/SCN

Date : 24/12/2021.

To,
Dr. Indrani Chincholi,
Professor & Head,
Department of Anaesthesia,
K.E.M. Hospital, Parel,
Mumbai – 12.

Sub: Regarding BPMT (OT Technique) student lecture schedule.

Respected Madam,

As per your letter received on 03/12/2021. We have organized lecture schedule for BPMT (OT Technique) 1st yr & 2nd year students for the academic year 2021-2022. From 5th January 2022 to 4th Feb 2022.

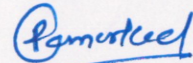
Thanking you,

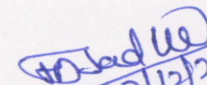
Encl : Lecture Schedule

Yours sincerely,

Co-ordinator - Sr.T. Arya Deshmukh

Brother T. Ravindra Markad


S.N. / B.T.


28/12/2021
for **PRINCIPAL**
School of Nursing
K. E. M. Hospital
Parel, Mumbai - 400 012.

Anat.

B.Sc in PMT batch 2019-20

SCHEDULE FOR CLASSES IN ANATOMY

Date	Time	Topic
WEDNESDAY, Dec 4, 2019	1:30 pm	Introduction to Anatomical terms
	2:30 pm	Introduction to Bones, Muscles, Joints
	3:30 pm	Introduction to organs systems
FRIDAY, Dec 6, 2019	1:30 pm	Classification of Joints
	2:30 pm	Clavicle, Scapula, Humerus
	3:30 pm	Radius, Ulna, Articulated hand
WEDNESDAY, Dec 11, 2019	1:30 pm	Hip bone
	2:30 pm	Femur, Patella
	3:30 pm	Tibia, Fibula, Articulated foot,
FRIDAY, Dec 13, 2019	1:30 pm	Skull – Norma verticalis, Norma lateralis
	2:30 pm	Skull – Norma frontalis, Norma occipitalis
	3:30 pm	Skull – Norma basalis, Cranial cavity
WEDNESDAY, Dec 18, 2019	1:30 pm	Cervical vertebrae, Thoracic vertebrae
	2:30 pm	Lumbar vertebrae, Sacrum, Bony pelvis
	3:30 pm	Sternum, Ribs
FRIDAY, Dec 20, 2019	1:30 pm	Revision of bones
	2:30 pm	I PERIODICAL TEST
	3:30 pm	
WEDNESDAY, Jan 1, 2020	1:30 pm	Respiratory system – Nose, Pharynx, Larynx
	2:30 pm	Respiratory system – Trachea, Bronchial tree, Lungs
	3:30 pm	Mediastinum – division and contents, Pericardium
FRIDAY, Jan 3, 2020	1:30 pm	Heart (Borders, surfaces, interior, blood supply)
	2:30 pm	Valves of the heart
	3:30 pm	Coronary arteries, Coronary sinus
WEDNESDAY, Jan 8, 2020	1:30 pm	Revision of CVS, RS
	2:30 pm	II PERIODICAL TEST

	3:30 pm	
FRIDAY, Jan 10, 2020	1:30 pm	Tongue, oral cavity ,salivary glands
	2:30 pm	Oesophagus, Stomach
	3:30 pm	Small and large intestine
WEDNESDAY, Jan 15, 2020	1:30 pm	Liver, Gall bladder, Pancreas
	2:30 pm	Kidneys, Ureters
	3:30 pm	Urinary bladder,Urethra
FRIDAY, Jan 17, 2020	1:30 pm	TERMINAL EXAM THEORY
	2:30 pm	
	3:30 pm	
WEDNESDAY, Jan 22, 2020	1:30 pm	TERMINAL EXAM PRACTICAL
	2:30 pm	
	3:30 pm	
FRIDAY, Jan 24, 2020	1:30pm	Male reproductive system
	2:30 pm	Female Reproductive system
	3:30 pm	Accessory Female Reproductive system
WEDNESDAY, Jan 29, 2020	1:30 pm	Endocrine glands
	2:30 pm	Muscle groups of upper limb
	3:30 pm	Muscle groups of lower limb
FRIDAY, Jan 31, 2020	1:30 pm	Muscles of Head & Neck
	2:30 pm	Muscles of Trunk
	3:30 pm	Revision of organs
WEDNESDAY, Feb 5, 2020	1:30 pm	Genetics - Overview
	2:30 pm	Genetics - Chromosomes
	3:30 pm	Genetics – Modes of inheritance
FRIDAY, Feb 7, 2020	1:30 pm	Introduction to nervous system, Spinal cord
	2:30 pm	Medulla, Pons, Midbrain
	3:30 pm	Cerebellum
WEDNESDAY, Feb 12, 2020	1:30 pm	Basal ganglia, Thalamus, Hypothalamus
	2:30 pm	Cerebrum – Sulci & Gyri

	3:30 pm	Cerebrum – White matter & ventricles
FRIDAY, Feb 14, 2020	1:30 pm	Blood supply of Cerebrum, Cerebellum
	2:30 pm	Orbital cavity, Eyeball
	3:30 pm	Ear, auditory pathway
WEDNESDAY, Feb 19, 2020	1:30 pm	Revision of CNS
	2:30 pm	III PERIODICAL TEST
	3:30 pm	

***Note:** Schedule for Prelims exam will be notified after completion of syllabus.

P. S. Bhuiyan
28/11/2019

Dr. Pritha S. Bhuiyan
Prof. and Head
Department of Anatomy
Seth GS Medical College
Parel -12

Professor & Head
Department of Anatomy
Seth G. S. Medical College,
Parel, Mumbai - 400 012.

*Pl. circulate.
& put up in HB.
B. S.*

DEPARTMENT OF ANAESTHESIA
Seth G. S. Medical College & KEM Hospital, Parel, Mumbai -12

2nd Year BPMT Lecturs Time-11AM to 12 PM

Sr. No.	Date	Topic	Faculty
1.	18.11.2019	Preanesthetic evaluation & consent for anaesthesia WHO protocol for preanesthesia	Dr. Madhavi Buddhi Dr. Siddhi
2.	21.11.2019	Preprocedure Protocol 10 Golden Rules of Anaesthesia	Dr. Manali Nadkarni Dr. Ravindra Kamble
3.	25.11.2019	Anaesthesia Machine Part I - Machine	Dr. Shraddha Mathkar Dr. Tejaswini
4.	28.11.2019	Anaesthesia Machine Part II - Circular	Dr. Isha Singhal Dr. Vaishakh
5.	02.12.2019	Drugs in Anaesthesia a) Premedication - Atropine, Glyco, Ondansetron, Ranitidine, Midazolam, Pentazocine	Dr. Shashikant Shinde Dr. Sunil Magar
6.	05.12.2019	b) Local Anaesthetics	Dr. Aarti Kulkarni Dr. Vineet
7.	09.12.2019	c) Analgesics - Fentanyl, NSAIDs, COX II inhibitors etc.	Dr. Gauri Gangakhedkar Dr. Binish
8.	12.12.2019	d) Induction Agents - Propofol, Thiopentone, Ketamine, Etomidate	Dr. Uma Kamat Dr. Ravikumar
9.	16.12.2019	e) Muscle Relaxants	Dr. Pallavi Waghalkar Dr. Dhvani
10.	19.12.2019	Type of Anaesthesia a) Local Anaesthesia	Dr. Priti Devalkar Dr. Swarupa
11.	23.12.2019	b) Spinal & Epidural Anaesthesia	Dr. Yogita Patil Dr. Madhulika
12.	26.12.2019	c) General Anaesthesia	Dr. Bhagyashree Soor Dr. Dipti
13.	30.12.2019	d) Regional Anaesthesia (Blocks)	Dr. Sneha Nikam Dr. Pooja K.
14.	02.01.2020	Gas cylinders, Central supply, Central suction, Electrical suction	Dr. Anjana Wajekar Dr. Manish
15.	06.01.2020	Oxygen Therapy	Dr. Atul Walzade Dr. Ranjeetha
16.	09.01.2020	Maintenance of Anaesthesia equipment, records and charts	Dr. Gayatri Sakrikar Dr. Ghouse Md.
17.	13.01.2020	Role of technician in post-anaesthesia case	Dr. Nutan Kharge Dr. Nandu
18.	16.01.2020	Electrical equipments & fire safety in OT	Dr. Abhilasha Motghare Dr. Rohit W.

→ Identificat of resuscitat equipment,
 - Ambu/ETT/Trach tube

→ Drugs in cath lab = β blocker,
 sleeping, angiodye
 - Preprocedural protocol.

Indra
 PROFESSOR & HEAD
 DEPT. OF ANAESTHESIOLOGY
 SETH G. S. M. C. & K. E. H.

DEPARTMENT OF ANAESTHESIA
Seth G. S. Medical College & KEM Hospital, Parel, Mumbai -12

No. Anaesth /472/24.

Date : 26/06/2024

To,
The Dean,
Seth G. S. Medical College &
KEM Hospital, Parel,
Mumbai – 400 012.

Respected Madam,

Sending results of Internal Assessment Exam (Theory & Practical) of B.Sc. in Para
Medical Technology (Operation Theater) — 2nd & 3rd year – Summer, 2024.

Thanking you.

Yours sincerely,

Amala Kudalkar

(Dr. Amala Kudalkar)

Professor & Head,

Department of Anaesthesia.

PROFESSOR & HEAD
DEPT. OF ANAESTHESIOLOGY
SETH G. S. M. C. & K. E. M. H
PAREL, MUMBAI - 400 012

DEPARTMENT OF ANAESTHESIA
Seth G. S. Medical College & KEM Hospital, Parel, Mumbai -12

No. Anaesth / 85 / 25.

Date : 23/01/2025

To,
The Dean,
Seth G. S. Medical College &
KEM Hospital, Parel,
Mumbai – 400 012.

Respected Madam,

Sending results of Internal Assessment Exam (Theory & Practical) of B.Sc. in Para
Medical Technology (Operation Theater) 1st year – Winter, 2024 (9 students)

Thanking you.

Yours sincerely,

Amala Kudalkar
23-1-25

(Dr. Amala Kudalkar)
Professor & Head,
Department of Anaesthesia.

PROFESSOR & HEAD
DEPT. OF ANAESTHESIOLOGY
SETH G. S. M. C. & K. E. M. H
PAREL, MUMBAI - 400 012

DEPARTMENT OF ANAESTHESIA
Seth G. S. Medical College & KEM Hospital, Parel, Mumbai -12

No. Anaesth / 84 / 25.

Date : 23/01/2025

To,
The Controller of Examination,
Maharashtra University of Health Sciences,
Vani-Dindori Road, Mhasrul,
Nashik – 422 004.

Respected Sir,

We are submitting Result of Internal Assessment Exam (Theory & Practical) of B.Sc. in
Para Medical Technology (Operation Theater) 1st year – Winter 2024 (9 students) from Seth
G. S. Medical College & KEM Hospital.

Thanking you.

Yours sincerely,

A. Kudalkar.
23-1-25

(Dr. Amala Kudalkar)
Professor & Head,
Department of Anaesthesia.

PROFESSOR & HEAD
DEPT. OF ANAESTHESIOLOGY
SETH G. S. M. C. & K. E. M. H
PAREL. MUMBAI - 400 012

DEPARTMENT OF ANAESTHESIA

Seth G. S. Medical College & KEM Hospital, Parel, Mumbai - 12

**Internal Assessment Exam Marksheet of 1st Year B.P.M.T. Students
April 2024**

Sr. No.	Name	Theory			Practical (30)
		I (30)	II (30)	III (30)	
1	Nidhi Dipak Borle ✓	19 ✓	23 ✓	22 ✓	22
2	Megha Mangesh Chinchvalkar ✓	23 ✓	18 ✓	18 ✓	25
3	Tanvi Anil Prabhu	20 ✓	23 ✓	18 ✓	18
4	Priyanka Narendra Gurav	19	19	21	19
5	Preeti Chinnilal Kurmi	17 ✓	23 ✓	16 ✓	16
6	Ketaki Sandeep Khatu	18 ✓	19 ✓	24 ✓	24
7	Sadiya Abdul Khalid Parkar	22 ✓	28 ✓	23 ✓	25
8	Nisha Fatima Shabbar Raza Kazmi	19 ✓	18 ✓	22 ✓	23
9	Sameera Mohd. Ashraf Ansari	18	22	24	24
10	Nikita Suresh Gavitt ✓	18 ✓	18 ✓	18 ✓	18 ✓
11	Prachi Deepak Shirsath	18 ✓	18 ✓	15 ✓	17

(Dr. Amala Kudalkar)
Professor & Head,
Department of Anaesthesia.

Borle
Chinchvalkar
Prabhu
Gurav
Kurmi
Khatu
Parkar
Kazmi
Ansari
Gavitt
Shirsath

DEPARTMENT OF ANAESTHESIA

Seth G. S. Medical College & KEM Hospital, Parel, Mumbai - 12

**Internal Assessment Exam Marksheet of 2nd Year B.P.M.T. Students
April 2024**

Sr. No.	Name	Theory			Practical (30)
		I (30)	II (30)	III (30)	
1	Omkar Dinesh Gotarne	22	18	19	19
2	Priya Ramesh Patil	18/17	16	15	16
3	Bushra Mohd. Iqbal Khan	17	18	19	22
4	Aditi Nilesh Shinde	18	17	19	16
5	Kajal Rambhunath Gupta	18/21	18	20	18
6	Tejaswini Motilal Thingle	19	19	19	17
7	Suraj K. Pandey	19	18	20	15

Coastline
Patil
Aditi
Kajal
Tejaswini
Suraj

(Dr. Amala Kudalkar)
Professor & Head,
Department of Anaesthesia.

DEPARTMENT OF ANAESTHESIA

Seth G. S. Medical College & KEM Hospital, Parel, Mumbai - 12

**Internal Assessment Exam Marksheet of 3rd Year B.P.M.T. Students
April 2024**

Sr. No.	Name	Theory			Practical (30)
		I (30)	II (30)	III (30)	
1	Poornima Tukaram Mane	22	23	24	23
2	Komal Kishanrao Aasewar	18	19	21	19
3	Shruti Anil Pendhare	19	20	23	23
4	Mehak Firdos Farhan Qureshi	19	18	21	23
5	Aakanksha Ramesh Dubule	20	22	23	21

P.T. Mane
Aasewar
Pendhare
Qureshi
Dubule

(Dr. Amala Kudalkar)
Professor & Head,
Department of Anaesthesia.