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IMPLEMENTATION OF ELECTIVES

ELECTIVES POSTING – 2022 BATCH

(Date: 19th January 2026 to 1st February 2026)

BLOCK 1

DEPARTMENT OF ANATOMY

ELECTIVE MODULE: BASICS OF HISTOLOGICAL TECHNIQUES

CODE: Anat - 01

No. of Students 10

Name of Block	01
Name of Elective	Basics of Histological Techniques
Location of hospital lab or research facility	Histology Lab., Anatomy department, NKPSIMS
Learning objectives of the elective	<ol style="list-style-type: none">1. To collect the tissue and preserve it.2. To prepare a block3. To demonstrate the cutting of thin sections4. To demonstrate the correct method to stain a slide(H & E)
Prerequisites for the elective	Basic knowledge about Histological techniques, good laboratory practices, Microtome, stains, tissue, chemicals.
Learning resources for students	<ol style="list-style-type: none">1. Handbook of histological techniques2. Gray's Anatomy
List of activities in which the student will participate	<ul style="list-style-type: none">- Participate in laboratory activities including sample collection, processing & staining- Presentation of work done in Lab.
Portfolio entries required	Documentation of work done in Lab Documentation of presentation done
Log book entry required	Completion of posting signed by preceptor with a "meets expectation (M) grade"
Assessment	Formative: attendance Successful completion of learning objectives & Log book entry.
Other comments	

DEPARTMENT OF ANATOMY

ELECTIVE MODULE: EMBRYOLOGY MODEL MAKING

CODE: Anat - 02

No. of Students 10

Name of Block	01
Name of Elective	Embryology model making
Location of hospital lab or research facility	Museum, Anatomy department, NKPSIMS
Learning objectives of the elective	1. To know developmental anatomy 2. To understand congenital anomalies 3. To demonstrate the embryology model 4. To create interest in embryology among the student.
Prerequisites for the elective	1. Basic knowledge of embryology 2. Plaster of Paris / Ceramic powder 3. Colors
Learning resources for students	Text book of Embryology I B Singh Gray's Anatomy Expert modeler
List of activities in which the student will participate	Students will work with Expert modeler Should write abstract of work done
Portfolio entries required	Workbook entries, Presentation
Log book entry required	Completion of posting signed by preceptor with a "meets expectation (M) grade"
Assessment	Formative: attendance Performing assignment Successful completion of learning objectives & Log book entry. Presentation work performed
Other comments	-

DEPARTMENT OF PHYSIOLOGY

ELECTIVE MODULE: LIFESTYLE MODIFICATION FOR HEALTH THROUGH YOGA

CODE: Phy 01

No. of Students 25

Name of the Block	01
Name of Elective	Lifestyle Modification for Health through Yoga
Location of hospital lab or Research Facility	Lifestyle Modification Centre of Department of Physiology
Name of the Internal Preceptor (s)	Dr. Rakhee Tirpude (Ambade), Dr. Bhavana Bhirud
Name of the External Preceptor (s)	---
Learning Objectives of the elective	<ul style="list-style-type: none">- To know the burden of lifestyle related diseases- To understand importance of lifestyle modification through yoga for health- To learn basic yogasana, Pranayam and Meditation methods- To learn physiology of yoga
Prerequisite for the elective	Lifestyle modification Centre Hall, Yoga Instructor, Yoga mats, Notes for modules to be printed
Learning Resources for the students	Modules will be provided
List of activities in which students will participate	<ul style="list-style-type: none">- Lecture – cum-demonstration- Practicals
Portfolio entries required	Yes
Log book entries required	Yes
Assessment	Cognitive domain assessment through MCQs Psychomotor domain through Practical examination
Other comments	---

DEPARTMENT OF BIOCHEMISTRY**ELECTIVE MODULE: CLINICAL BIOCHEMISTRY****CODE: Biochem 01****No. of Students 30**

Name of Block	01
Name of Elective	Clinical Biochemistry
Learning objectives of the elective	At the end of 15 days, third MBBS student. Should be able <ol style="list-style-type: none">1) To tell which parameters are routinely done in Laboratory.2) To understand diagnostic significance of biochemical parameters.3) To understand correlation between biochemical parameters and various diseases such as infectious ,endocrinal & metabolic diseases.
Prerequisites for the elective	Knowledge of pathophysiology of diseases. Students should attended at least 4-5 clinical postings in ward.
Learning resources for students	Tietz textbook of Biochemistry, Harper, Harrison
List of activities in which the student will participate	<ol style="list-style-type: none">1) Report reading and interpretation of lab report2) Participation in case discussion and finding which biochemical parameter is required to diagnose given case.
Portfolio entries required	-
Log book entry required	Yes
Assessment	<ol style="list-style-type: none">a) Attendanceb) Entry of case studies and required biochemical parametersc) Successful completion of posting and logbook entries
Other comments	Nil
Name of Block	1
Name of Elective	Clinical Biochemistry
Location of hospital lab or research facility	Medical College & Hospital Laboratory

DEPARTMENT OF PATHOLOGY

ELECTIVE MODULE: SCREENING OF PAP SMEAR FOR CERVICAL CANCER

CODE: Patho 01

No. of Students 10

Name of Block	01
Name of Elective	Screening of PAP Smear for cervical cancer
Learning objectives of the elective	<ol style="list-style-type: none">1. Technique of PAP smear-2. 1) To prepare a PAP smear.3. 2) To stain the smears.4. 3) To screen smear for atypical cells
Prerequisites for the elective	Ayer's spatula, slides, PAP stain & fixative, Binocular Microscope
Learning resources for students	SOPS, Bethesda, Books system of Reporting <ol style="list-style-type: none">1) A colour atlas of Gynaecological cytology by the stain & buffer.2) Diagnostic cytology by Leopold G. KOSS 4th Edition.3) Exfoliative cytology by Naib 3rd Edition
List of activities in which the student will participate	<ol style="list-style-type: none">1) Day 1- Introduction & Theory (Anatomy + Brief about carcinoma cervix)2) Day 2- Video demonstration of taking PAP smear.3) Day 3- Recap + Preparing smear.4) Day 4 & 5- Staining (procedure & fixation+ practical)5) Day 6 & 7- Introduction to normal cells6) Day 8 & 9- Recap & inflammatory smear7) Day 10,11,12&13- Smear with atypia8) Day 14- Assessment9) Day 15- Feedback, Questions answer, discussion on mistakes, difficulties & Reassessment
Portfolio entries required	<ol style="list-style-type: none">1) Documentation of performed activity2) documentation of worked up cases
Log book entry required	Proforma Comments- Signature of Preceptor-
Assessment	Formative – <ol style="list-style-type: none">a) Attendanceb) day to day participation in departmental activityc) Performance of assigned taskd) Presentation of worked up cases in the department
Other comments	

DEPARTMENT OF PATHOLOGY

ELECTIVE MODULE: CLINICAL IMPORTANCE OF FLUID CYTOLOGY

CODE : Patho 02

No. of Students 10

Name of Block	01
Name of Elective	Clinical importance of Fluid Cytology
Learning objectives of the elective	<ol style="list-style-type: none">1. To know the various body fluids which are tested routinely.2. To enumerate indications for body fluids investigation.3. To know how fluids are processed in the laboratory4. To know about preparation of cytospin smear.5. To learn how a slide is reported and know its clinical significance.
Prerequisites for the elective	<ol style="list-style-type: none">1) Universal precautions to handle body fluids.2) To have basic knowledge about various body fluids.
Learning resources for students	Textbook of Clinical Pathology. By Dr Shirish Kawthalkar Notes provided by department (staining procedures, etc
List of activities in which the student will participate	<ol style="list-style-type: none">1. Introduction of Topic2. Sample receiving and sample entry, including labeling of sample3. Sample processing4. Cytospin procedure5. Slide preparation and staining by various methods6. Reporting of slide, interpretation and release of report <p>All the above activities will be first observed by the student and then performed</p>
Portfolio entries required	Documentation of daily activity done with signature of the internal preceptors.
Log book entry required	Proforma Comments- Signature of Preceptor-
Assessment	<ol style="list-style-type: none">a) The students should have the basic knowledge on body fluids & effusion.b) Preparation of slide.c) Routine staining done /used.d) Reporting.(should be able to identify inflammatory and malignant effusions.
Other comments	

DEPARTMENT OF MICROBIOLOGY

ELECTIVE MODULE: HOSPITAL INFECTION PREVENTION & CONTROL

CODE : Micro 01

No. of Students 25

Name of Block	01
Name of Elective	Hospital Infection Prevention & Control
Learning objectives of the elective	<ol style="list-style-type: none">1. To enumerate organisms causing HAI , Type I HAI2. To know the Standard precaution3. Surveillance of HAI4. To know the preventive measures
Prerequisites for the elective	Nil
Learning resources for students	Library , e-books , Reference Books , PPTS
List of activities in which the student will participate	<ol style="list-style-type: none">1. Practical Demonstration2. Visit to wards3. CBL4. Didactic Lectures
Portfolio entries required	Not required
Log book entry required	Yes
Assessment	MCQ , Attendance , Observation (Activity)
Other comments	

DEPARTMENT OF FORENSIC MEDICINE & TOXICOLOGY
ELECTIVE MODULE: EXAMINATION & REPORTING OF WEAPON
CODE : FMT 01
No. of Students 10

Name of Block	01
Name of Elective	Examination & reporting of Weapon
Learning objectives of the elective	<ol style="list-style-type: none"> 1. Types and kind weapon & legal documentation before certifying. 2. Documentation and communication with the law enforcement agencies. 3. Prerequisite documents for certification of weapon examination. 4. Preparation of check list for weapon examination certification. 5. Preparation of Forensic Medical Report of weapon examination. 6. Medicolegal significance of reports of weapon examination. 7. Maintenance and preservation of proper records of weapon examination.
Learning resources for students	<ol style="list-style-type: none"> 1. Modi's Medical Jurisprudence & Toxicology : B.V. Subrahmanyam 2. The essentials of Forensic Medicine & Toxicology :- Dr. K. S. Narayan Reddy
List of activities in which the student will participate	<ol style="list-style-type: none"> 1. Will learn prerequisites in the form of communication with police official and law enforcement agencies before certifying weapon examination. 2. Will develop standardized checklist for preparation of weapon examination report. 3. Will prepare reports of different types of weapon examination with the help of the standardized checklist. 4. Will preserve the records of different types of weapon examination. 5. Will understand precautions while handling over reports to police official. 6. Will understand the medicolegal significance of preparing correct reports of certifying weapon examination.
Portfolio entries required	<p>Daily logs of weapon examination report prepared with activities participated.</p> <p>Case records of at least 3 weapon examination reports with different types of cases of trauma.</p>
Log book entry required	Satisfactory completion of posting by a preceptor with "Meets expectation grade" "M grade"
Assessment	<p>Attendance</p> <p>Successful completion of required portfolios entries</p> <p>Successful completion of log book with "M grade"</p>
Other comments	NIL

DEPARTMENT OF FORENSIC MEDICINE & TOXICOLOGY
ELECTIVE MODULE: DOCUMENTATION AND CERTIFICATION OF TRAUMA
CODE : FMT 02
No. of Students 10

Name of Block	01
Name of Elective	Documentation and certification of trauma
Learning objectives of the elective	<ol style="list-style-type: none"> 1. Types of trauma cases and legal documentation before certifying. 2. Documentation and communication with the law enforcement agencies. 3. Prerequisite documents for certification of trauma. 4. Preparation of check list for trauma certification. 5. Preparation of Forensic Medical Report of Trauma cases. 6. Medicolegal significance of reports of trauma cases. 7. Maintenance and preservation of proper records of trauma cases.
Prerequisites for the elective	Must be well versed with different types of trauma, medicolegal formalities for trauma cases, Know relevant BNS and BNSS
Learning resources for students	<ol style="list-style-type: none"> 1. Modi's Medical Jurisprudence & Toxicology : B.V. Subrahmanyam 2. The essentials of Forensic Medicine & Toxicology :- Dr. K. S. Narayan Reddy
List of activities in which the student will participate	<ol style="list-style-type: none"> 1. Will learn prerequisites in the form of communication with police official and law enforcement agencies before certifying trauma cases. 2. Will develop standardised checklist for preparation of trauma report. 3. Will prepare reports of different types of trauma cases with the help of the standardised checklist. 4. Will preserve the records of different types of trauma cases. 5. Will understand precautions while handing over reports to police official. 6. Will understand the medicolegal significance of preparing correct reports of certifying trauma.
Portfolio entries required	Daily logs of trauma cases report prepared with activities participated. Case records of at least 3 patients with different types of cases of trauma.
Log book entry required	Satisfactory completion of posting by a preceptor with "Meets expectation grade" "M grade"
Assessment	Attendance Successful completion of required portfolios entries Successful completion of log book with "M grade"
Other comments	NIL

DEPARTMENT OF FORENSIC MEDICINE & TOXICOLOGY
ELECTIVE MODULE: WRITING MEDICAL CERTIFICATE OF CAUSE OF DEATH
CODE: FMT 03
No. of Students – 10

Name of Block	01
Name of Elective	Writing Medical Certificate of cause of death
Learning objectives of the elective	<ol style="list-style-type: none"> 1. Prerequisite investigations for certification of death. 2. Preparation of checklist for certification of death. 3. Preparation of Medical certificate of cause of death. 4. Medicolegal significance of MCCD. 5. Maintenance and preservation of proper records of MCCD.
Prerequisites for the elective	Must be well versed with form no.4 & 4A for MCCD Knowledge of basic investigations before declaring death, pathophysiology of various diseases.
Learning resources for students	<ol style="list-style-type: none"> 1. Modi's Medical Jurisprudence & Toxicology : B.V. Subrahmanyam 2. The essentials of Forensic Medicine & Toxicology :- Dr. K. S. Narayan Reddy 3. Principles of Forensic Medicine & Toxicology: - Dr. Rajesh Bardale
List of activities in which the student will participate	<ol style="list-style-type: none"> 1. To learn prerequisites before certifying death of the patient. 2. To develop standardized checklist for MCCD preparation. 3. To fill the MCCD form no. 4 and 4A following a standardized checklist. 4. To preserve the records of MCCD prepared. 5. To understand precautions while handing over MCCD. 6. To understand the medicolegal significance of preparing correct MCCD.
Portfolio entries required	<ol style="list-style-type: none"> 7. Case records of at least ten patients 8. Daily logs of certificate prepared with activities
Log book entry required	Satisfactory completion of posting by a preceptor with "Meets expectation grade" "M grade"
Assessment	Attendance Successful Completion of required portfolio entries Successful completion of log book with 'M' grade
Other comments	NIL

DEPARTMENT OF PHARMACOLOGY
ELECTIVE MODULE: PRESCRIPTION WRITING
CODE: Pharma 01
No. of Students 20

Name of Block	01
Name of Elective	Prescription Audit & Pharmacovigilance
Learning objectives of elective	<ol style="list-style-type: none"> 1. To write a complete, rational and correct prescription for a given condition 2. To Learn ADR Reporting 3. To communicate a given prescription to a volunteer. 4. To enumerate parameters analyzed in prescription auditing 5. To describe WHO core drug use indicators 6. To perform critical appraisal of a given prescription.
Prerequisites for elective	Necessary precaution while writing a prescription, benefits of prescribing generic drug name, stationery, printed log book
Learning resources for students	The departmental handbook provided, Articles
List of activities of student participation	<ol style="list-style-type: none"> 1. Work daily with a supervisor in observing, how to write a prescription 2. Participate in departmental education activities 3. Present at least two case scenarios done by the student as a case work up 4. Present at least two cases in a departmental academic forum
Portfolio entries required	Assignments provided <ol style="list-style-type: none"> 1. Documentation of two case that have been presented 2. Documentation of presentation (OSPE/SGD) done 3. Documentation of learning as summary and self reflection
Log book entry required	Completion of posting signed by preceptor with a "Meets expectation '(M)' grade"
Assessment	Formative: attendance: day-to-day participation in the departmental activity; performance of assigned tasks and presentation of worked up case in department
Other comments	-

DEPARTMENT OF COMMUNITY MEDICINE
ELECTIVE MODULE: NUTRITION IN CHRONIC DISEASES
CODE: PSM 01
No. of Students 30

Name of Block	01
Name of Elective	NUTRITION IN CHRONIC DISEASES
Learning objectives of the elective	<ol style="list-style-type: none">1. To understand the key food systems and diet related risk factors to chronic diseases2. To enhance students' capacity towards skill-based learning in nutritional assessment3. Enabling students to advice diet plan for specific chronic diseases
Prerequisites for the elective	Basic knowledge of food groups and nutrition
Learning resources for students	Textbook of Community Medicine by K.Park WHO TCS manual on Nutrition and Chronic diseases www.nin.res.in
List of activities in which the student will participate	Preparation of therapeutic diet plan for various chronic diseases Interactive sessions Group discussions
Portfolio entries required	NA
Log book entry required	NA
Assessment	Attendance Summative assessment
Other comments	



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