

Bharati Vidyapeeth (Deemed to be University)
Medical College & Hospital, Sangli
Department of Pharmacology

Annexure-I

SGD (Small group discussion)

Sr. no.	Topics	Competency numbers
1.	Dosage formulations and drug delivery system	1.3
2.	Clinical pharmacokinetics	1.4
3.	Clinical pharmacodynamics	1.5
4.	Drugs used in constipation and diarrhoea	1.34
5.	Inflammatory bowel disease, Irritable bowel disorders, Biliary & Pancreatic diseases	1.34
6.	Communicate with the patient with empathy & ethics on all aspects of drug use	5.1
7.	Motivate patients with chronic diseases to adhere to the prescribed management by the health care provider	5.3
8.	Explain to the patient the relationship between cost of treatment & patient compliance	5.4
9.	Demonstrate ability to educate public & patients about various aspects of drug use including drug dependence & OTC drugs	5.6
10.	Demonstrate & understanding of the legal and ethical aspects of prescribing drugs	5.7
11.	Communicate with patient regarding optimal use of a. Drug therapy, b. Devices, c. Storage of medicines	5.2
12.	Antiepileptic drugs	1.19
13.	Drugs of abuse and Deaddiction	1.22& 1.23
14.	Demonstrate & understanding of the caution in prescribing drugs likely to produce dependence & recommend the line of management	5.5
15.	Neurodegenerative disorders	1.19
16.	Bronchial asthma	1.32
17.	National health programmes	1.55
18.	Pesticides & insecticides, Heavy metal poisoning & chelating agents	1.51, 1.52, 1.53

Annexure-II

DOAP sessions

Sr. no.	Topics	Competency number
1.	Demonstrate understanding of the use of various dosage forms (oral/local/parenteral; solid/liquid)	2.1
2.	Administer drugs through various routes in a simulated environment using mannequins	4.1
3.	Demonstrate the appropriate setting up of an Intravenous drip in a simulated environment	2.3
4.	Demonstrate the correct method of calculation of drug dosage in patients including those used in special situations	2.4
5.	Prepare oral rehydration solution from ORS packet & explain its use	2.2

Annexure-III

Skill stations

Sr. no.	Topics	Competency number
1.	To recognize & report an adverse drug reaction	3.4
2.	Prescription Writing – ANS	3.1 & 3.2
3.	Prescription Writing – Autacoids & Chemotherapy 1	
4.	Prescription Writing – Chemotherapy 2	
5.	Prescription Writing – Chemotherapy 3	
6.	Prescription Writing – Chemotherapy 4& GIT	
7.	Prescription Writing – CVS 1	
8.	Prescription Writing – CVS 2	
9.	Prescription Writing – Endocrinology	
10.	Prescription Writing – CNS 1	
11.	Prescription Writing – CNS 2& RS	
12.	Prescription Writing –Miscellaneous 1	
13.	Prescription Writing –Miscellaneous 2	
14.	Prepare a list of essential medicines for a healthcare facility	3.7
15.	To prepare and explain a list of P-drugs for a given case/condition	3.5
16.	Demonstrate how to optimize interaction with pharmaceutical representative to get authentic information on drugs	3.6

Annexure-IV

Skill lab

Sr. no.	Topics	Competency number
1.	Demonstrate the effects of drugs on blood pressure (vasopressor and vaso-depressors with appropriate blockers) using computer aided learning	4.2
2.	Communicate effectively with a patient on the proper use of prescribed medication	3.8
3.	Perform and interpret a critical appraisal (audit) of a given Prescription	3.2
4.	Perform a critical evaluation of the drug promotional literature	3.3

Annexure-V

Practicals (Pr)

Sr. no.	Topics	Competency number
1.	Introduction, nomenclature of drugs, sources of drug information	1.9
2.	Describe principles of Pharmacovigilance & ADR reporting systems Define, identify and describe the management of adverse drug reactions (ADR)	1.6 & 1.7
3.	Calculate the dosage of drugs using appropriate formulae for an individual patient, including children, elderly and patient with renal dysfunction.	1.12
4.	Describe parts of a correct, complete and legible generic prescription. Identify errors in prescription and correct appropriately (Introduction to prescription writing)	1.10
5.	Demonstrate understanding of the use of various dosage forms (oral/local/parenteral; solid/liquid) – FDC – Introduction	2.1
6.	Fixed dose combination – Chemotherapy 1	
7.	Fixed dose combination – Chemotherapy 2 & GIT	
8.	Fixed dose combination – CVS	
9.	Fixed dose combination – Endocrinology	
10.	Fixed dose combination – CNS	
11.	Fixed dose combination – RS and miscellaneous	

Annexure-VI

PBL (Problem based learning)

Sr. no.	Topics
1.	ANS and Autacoids
2.	Chemotherapy, GIT, CVS
3.	Endocrinology, CNS
4.	RS and Miscellaneous

Annexure-VII

AETCOM Modules

Sr. no.	Topics	Modules	No. of hrs.	TLM
1.	The foundations of bioethics	2.2a	1	Large group session
		2.2b	1	Large group session
2.	Working in a health care team	2.4a	2	Tag along session in hospital
		2.4b	2	Tag along session in hospital
		2.4c	2	SGD
3.	Case studies on patient autonomy and decision making	2.5a	1	Large group session
		2.5b	1	Large group session
		2.5c	2	SDL
		2.5d	1	Large group session
		2.5e	1	Large group session

Annexure-VIII

Pandemic module 2.5 **(Therapeutic strategies** **Including new drug development)**

Sr. no.	Topics	Modules	No. of hrs.
1.	Exploratory and interactive theory session	2.5a	1
2.	Small Group Discussion	2.5b	1
3.	Visit to a pharmaceutical firm/ pharmacy lab to show various stages of drug development or an ADR monitoring exercise in clinical wards	2.5c	2
4.	Discussion and closure	2.5d	2

Annexure-IX

Other activities

➤ **Seminar**

1.	Enteric fever
2.	Tuberculosis
3.	Diabetes mellitus
4.	Drugs used in Pediatric and Geriatric population

➤ **Tutorial**

1.	Haematinics
2.	Urinary tract infection
3.	Sexually transmitted diseases
4.	Shock
5.	FDC and OTC drugs
6.	General Pharmacology
7.	ANS, CVS
8.	CNS
9.	Endocrinology
10.	GIT, RS and Miscellaneous

➤ **Quiz**

1.	CVS
2.	Antimicrobial agents

➤ **Formative assessments**

1.	General Pharmacology
2.	ANS
3.	Chemotherapy
4.	CNS & RS
5.	Endocrinology
6.	Miscellaneous

➤ **Certification of skills**

➤ **Feedback of exams**

Bharati Vidyapeeth (Deemed to be University)
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Department of Microbiology

Annexure-Practicals(PR)

Sr. No.	Title	Comp. Number
General Microbiology		
1	Introduction to Microbiology Department	MI 1.1
2	Microscopy	MI 1.1, 1.2
3	General Bacteriology	
A	Morphology & Physiology Of bacteria	MI 1.1
B	Specimen collection & Transport	MI 8.9, 8.10
C	Simple Staining	MI 1.1, 1.2
D	Gram Staining	MI 1.2
E	Acid fast staining	MI 1.2
F	Culture Media & Culture methods	MI 1.1, 8.15
G	Identification of Bacteria	MI 1.1, 8.15
H	Antimicrobial Susceptibility Test	MI 1.6
I	Molecular diagnosis	MI 8.15
4	Lab D of Viral infections	MI 1.1, 8.10, 8.15
5	Lab D of Parasitic infections	MI 1.2, 8.10, 8.15
6	Lab D of fungal infections	MI 1.1, 8.10, 8.15

Immunology		
7	Antigen - Antibody Reaction (Conventional)	Mi 1.8, 8.15
8	Ag-Ab reaction (newer) (ELISA, ELFA, IFA)	MI 1.8, 8.15

Hospital Infection Control		
9	Standard Precautions - Hand Hygiene & PPE	MI 8.1
10	Sterilisation and Disinfection (including visit to CSSD)	MI 1.5
11	Biomedical Waste Management	MI 8.6, 8.7
12	Needle Stick Injury	MI 8.6, 8.7
Systemic Microbiology		
BLOOD STREAM AND CARDIOVASCULAR INFECTIONS		
13	Sepsis, CRBSI, Rheumatic fever Infective Endocarditis	MI 2.3, 8.15
14	Bacterial Infecs-Enteric fever, scrub typhus, Brucellosis, Lepfospiriosis	MI 3.4, 8.15
15	viral Infecs - HIV/AIDS & Dengue	MI 2.7, 8.15
16	Parasitic Infections of BS, Malaria, Leishma- niasis, & dymphatic filariasais	MI 2.6, 8.15
17	Fungal infections of BS Systemic candidiasis & systemic Mycoses	MI 1.1, 8.15
G.I. Infections		
18	Bacterial diarrhea- Shigellosis, Cholera, & others	MI 3.2

19	Viral Gastroenteritis- Rotavirus & others	MI 3.2
20	Intestinal Protozoan Infections - Intestinal amoebiasis, Giardiasis, & coccidian Parasitic infections	MI 1.2, 3.2
21	Intestinal Helminthic infections	MI 3.2, 1.2, 8.15
Hepatobiliary System Infections		
22	Viral Hepatitis	MI 3.8
23	Parasitic infections of Hepatobiliary system- Amoebic liver abscess, Hyaatid disease & others	MI 3.1, 3.2

Skin, Soft Tissue & Muscoloskeletal System Infections		
24	Staphylococcal Infections	MI 4.2, 4.3, 1.2
25	Streptococcal Infections	MI 4.3, 1.2
26	Anaesobic Infections - including gas gangrene, leprosy& Anthrax	8.10, 8.15
27	Viral Exanthems & other cutaneous, viral infections - Herpes Simplex, Measles, Rubella & others	MI 4.3 8.10, 8.15
28	Superficial & Subcutaneous fungal infections	MI 4.3, 8.10, 8.15
Respiratory Tract infections		
29	Bacterial Pharyngilis- Streptococcus Pyogenes Pharyngitis and Diptherea	MI 6.2, 8.10, 8.15
30	Bacterial Pneumonia- Pneumococcal Pneumonia, H. influenzae, Klebsiella & others	MI 6.3, 1.2, 8.10, 8.15
31	Tuberculosis	MI 6.3, 8.15
32	Pseudomonas and Acinetobacter Infections	MI 6.3

33	Viral Infections of Respiratory Tract Influenza, COVID - 19 Infections mononucleosis & others	MI 6.2, 6.3
34	Fungal infections & Parasitic infections of Respiratory Tract	MI 6.2, 6.3
Central Nervous System Infections		
35	Lab. diagnosis of Pyogenic meningitis (N. Meningitidis, Streptococcus Pneumoniae S. agalactiae, Harmophilus influenzae)	MI 5.3, 8.15
36	Lab Diagnosis of aseptic meningitis (Tubercular meningitis, cryptococcal meningitis & Encephalitis)	MI 5.3, 8.15
Urogenital Tract infections		
37	lab diagnosis of uT1 (Uropathogenic E coli, Klebsiella, Proteus, Enterococcus, Staph & aprophyticus & others)	MI 7.3
38	Lab diagnosis of STI (Gonorrhoea, Syphilis, Trichomoniasis, candidiasis & others)	MI 7.1, 7.2

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Microbiology

SGD (Annexure)

1	Microscopy
2	Specimen collection & transport
3	Culture media & culture methods
4	Identification of Bacteria
4	Antimicrobial susceptibility testing
6	Sterilisation & Disinfection
7	HAI – (Definition ,Risk factors etc).
8	Needle stick injury
9	Infections causing Anemia
10	Brucellosis, Leptospirosis & Borreliosis
11	KFD, Ebola virus, Hanta virus, Marburg virus
12	Trypanosomiasis & Schistosomiasis
13	Systemic mycosis & Candidiasis
14	Agents of typical pneumonia <ul style="list-style-type: none"> - Pneumococcal pneumonia } In detail • H. Influenzae • Bordetella
15	Viral URTI - 2 Rhinovirus, Adenovirus & Infectious Mononucleosis (EBV) Fungal URTI –zygomycosis
16	Agents of Atypical pneumonia (Bacterial) Mycoplasma, Chlamydia & Legionella
17	Viral Agents of LRTI <ul style="list-style-type: none"> • Paramyxovirus infections parainfluenza, RSV, coronaviruses including • SARS COV & MERS COV
18	Fungal agents causing RTI Zygomycosis, Aspergillosis, Pneumocytosis, Parasitic agents causing RTI – paragonimiasis
19	Agents of aseptic meningitis – 2 Spirochaetal meningitis, tubercular meningitis, cryptococcal meningitis, and other fungi affecting CNS.
20	Parasites causing encephalitis : Primary anaerobic meningo encephalitis (Nacgleria) Granulomatous anaerobic encephalitis (Acanthamoeba and Balamuthia), Taxoplasmosis (in detail).
21	Infection due to non fermenters (Pseudomonas, Acinetobacter, Stenotrophomonas, Burkholderia including meliodosis)

22	Viral exanthems (in detail) – Measles, Rubella, Parvovirus, HIV-1, pox virus, Varicella Zoster, HSV.
23	Superficial and subcutaneous fungal infection
24	Tissue Nematode infection of skin and soft tissue. Onchocerca, Loa loa, Mansonella and Dracunculus Trichinella, cysticercosis, Larva migrans and other parasitic infection of lower animal infecting man.
25	Shigellosis, Non Typhoidal Salmonellosis, Diarrheogenic E.coli
26	Helicobacter infection, Campylobacter infection, Yersiniosis
27	Food poisoning – Bacillus cereus, Clostridium, Botulinum, Mycotoxins. Antibiotic associated diarrhoea, Clostridium difficile.
28	Giardiasis Intestinal coccidian parasites and microsporidia infection.
29	Intestinal cestode infections-Diphyllobothrium, Latum, Taenia, Hymenolepis Intestinal trematodes infection – Fasciolopsis louski.
30	Agents of UTI- Uropathogenic E.coli, Klebsiella, Proteus, Enterococcus (in detail) Staphylococcus saprophyticus, Streptococcus agalactiae.
31	Agents of urethritis – Gonorrhoea and NGU
32	Agent of genital ulcers –LGV, Granuloma, inguinale, soft chancre, HSV.
33	Environmental surveillance (Bacteriology of water, air, milk, and surface).
34	Infection syndrome of Eye Infection syndrome of ear, nose, and oral cavity
35	Emerging and Re-emerging infections.
36	Zoonotic infections of Congenital infection (TORCH).
37	Vector borne infections
38	Choose appropriate lab test in diagnosis of infectious disease. (Rational use of microbiological investigations)

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Medical College & Hospital, Sangli Microbiology

SDL (Annexure)

1	Physiology of bacteria	Dr Prashant Renake
2	Antigen	Dr. Shubhangi A. Gadgil
3	Biomedical waste	Dr. Shilpa R. Shah
4	Plague	Dr. Ravindra S.Mohite
5	Bacterial URTI – Diphtheria and Group A Streptococci (in detail)	Dr. Santosh S. Patil.
6	Agents of antiseptic meningitis Viral agents – (including polio, coxsackie virus, mumps)	Dr. Amit L. Bhosale
7	Streptococcal infections pertaining to SST anthrax (Bacillus anthracis)	Dr. Nisha C. Karanje
8	Leprosy	Dr. Neelam Attar
9	Viral gastroenteritis	Miss. Pradnya A. Jadhav
10	Sexually transmitted infections of the male & female reproductive organs	Dr. Shubhangi A. Gadgil

Medical College & Hospital, Sangli
Department of Pathology

AETCOM

Competency # addressed	Name of Activity
AETCOM 2.6	Bioethics continued: Case studies on autonomy and decision making
AETCOM 2.7	What does it mean to be family member of a sick patient?
AETCOM 2.8	What does it mean to be family member of a sick patient?

Dr. V. P. Mane
Prof. & HOD

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Department of Pathology

Assessment [Tutorial (Tu), OSPE, Formative assessment (FA), DOPS]		
1	PA 2.1,2.2 , 2.3, 2.5, 2.4,	Cell injury [Tu-1]
2	PA 4.1,4.2,4.3, 5.1	Inflammation [Tu-2]
3	PA 6.1, 6.2, 6.3, 6.4, 6.5	Circulariry disorder [FA-1]
4	PA 9.1,9.2,9.3,9.4, 9.5,9.6,9.7, 10.1,10.2,10.3,10.4	Immunology infection [Tu-3]
5	PA 7.1,7.2,7.3,7.4,7.5	Neoplasia [Tu-4]
6	PA 13.1 to 17.2	Anemia [FA-2]
7	PA 24.1 to 24.7 and PA 25.1 to 26.6	Gastrointestinal tract and hepatobilliary tract [FA-3]
8	PA 18.1 to 18.2 and PA 19.1 to19.6	WBC disorders and lesions of lymph node [Tu-5]
9		Slides specimen revision - Systemic Pathology OSPE-1
10		Slides specimen revision - General Pathology OSPE-2
11	PA 26.1-26.7, PA27.1-27.10, PA 28.1-28.16	CVS , RS and Kidney [FA-4]
12	PA 16.1-16.7	Hemolytic anemia [DOPS - 1]
13	PA 25.1-25.6	Hepatobiliary system [DOPS-2]
14	PA 35.1-35.3	Central nervous System [DOPS-3]
15	PA 29.1-29.5	Male genital system and breast [Tu-6]
16	PA 30.1-30.9	Female genital tract [Tu-7]

17	PA 32.1-32.9	Endocrine system [Tu-8]
18	PA 33.1-33.5, PA35.1-35.3,PA 36.1, PA 34.1-34.4	Bone CNS Eye and Skin [FA-5]
19	PA 8.1-8.3	Cytology [FA-6]
20	PA 13.1-13.5, PA14.1-14.3,PA 15.1-15.4,PA 16.1-16.7	Peripheral smear examination and anemia [DOPS-4]
21	PA 23.1	Urine examination [DOPS-5]
22		Clinical tray [DOPS-6]
23		Charts [DOPS-7]
24		Gross Specimen [OSPE-3]
25		Microscopy slides [OSPE-4]
26		Term I Syllabus [OSPE-5]
24		Term II Syllabus [OSPE-6]
27		Term III Syllabus [OSPE-7]

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DOAP (Demonstrate by Student, Observe, Assist Perform)		
1	PA 2.8, 3.2, 4.4, 6.7	Cell injury, amyloidosis, inflammation and infarction
2	PA 13.5	Peripheral smear examination
3	PA 14.3,15.3	Microcytic and macrocytic anemia
4	PA 16.6	Hemolytic anemia
5	PA 18.1,18.2, 20.1	WBC disorder and plasma cell myeloma
6	PA 19.3,19.5	Lesions of lymph node
7	PA 26.6	Liver function tests and Tumors of liver
8	PA 27.8	Cardiac function test and slides of atherosclerosis and RHD
9	PA19.1 - 19.7, PA 22.7-22.7, PA 24.1-24.7, PA 27.1-27.10	Lymph node, blood banking GIT, CVS
10	23.1	Urine examination
11	PA 31.3	Carcinoma breast
12	PA 34.1 to 34.4	Tumors of skin
13	PA 8.3	Cytology
14	PA 35.3	Diseases of CNS and Meningitis

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Integrated teaching [IT]

Sr. No.	Pathology	Integration with
1.	PA 9.1 Immunology	Microbiology
2.	PA 10.3,10.4 Tuberculosis and leprosy Linker case	General Medicine, Microbiology
3.	PA 14.1 to 15.4 Anemia	General Medicine
4.	PA 22.2 Compatibility testing	Obstetrics and gynaecology
5.	PA 24.2,24.3 Peptic ulcer and neoplasms of GIT Linker case	General Medicine
6.	PA 25.2 Jaundice and hepatic failure linker case	General Medicine
7.	PA27.4,27.6 RHD and endocarditis Linker case	General Medicine, Microbiology
8.	PA 26.1 to 26.7 Respiratory system Linker case	General Medicine, Microbiology
9.	PA33.1 Diabetes mellitus	General Medicine,
10.	PA 35.1 Meningitis Linker case	General Medicine, Microbiology

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Department of Pathology

List of lectures [L]

PA 1.1,1.2,1.3	Introduction [L-1]
	Histotechnique [L-2]
PA 2.1,2.2	Cell injury [L-3]
PA 2.3	Intracellular Accumulations [L-4]
PA 2.3,2.5	Pigment metabolism and Pathologic Calcification[L-5]
PA 2.4,2.5	Necrosis & Gangrene [L-6]
PA 2.7	Cellular Ageing and Apoptosis [L-7]
PA 4.1	Acute Inflammation [L-8]
PA 4.2	Chemical Mediators of Inflammation [L-9]
PA 4.3	Chronic inflammation [L-10]
PA5.1	Repair and Regeneration[L-11]
PA 6.1 , 6.2	Hemorrhage, Hyperamia and Oedema [L-12]
PA 6.3	Shock[L-13]
PA6.4,6.5	Thrombosis Embolism[L-14]
PA6.5,6.6	Embolism and infarction [L-15]
PA 9.2	Hypersensitivity reaction [L-16]
PA 9.4, 9.5, 9.7	Autoimmune disease [L-17]
PA 9.3	Transplant Pathology [L-18]
PA 9.6	Immunodeficiency diseases -HIV [L-19]
PA 3.1	Amyloidosis [L-20]
PA 7.1	Neoplasia 1 [L-21]
PA 7.2	Neoplasia 2 [L-22]
PA 7.3	Neoplasia 3 [L-23]
PA 7.4 7.5	Neoplasia 4 [L-24]
PA 10.3, 10.4	Infections and infestation 2 [L-25]
PA 11.1,11.2	Genetic and pediatric disease [L-26]
PA 12.1,12.2	Environmental and nutritional diseases [L-27]
PA13.3 13.4	Anemia in general [L-28]
PA 14.2	Iron Deficiency Anemia [L-29]
PA15.1,15.2,15.4, 17.1	Macrocytic anemia, aplastic anemia [L-30]
PA 16.1, 16.2 , 16.5	Hemolytic anemia 1 [L-31]
PA 16.5	Hemolytic anemia 2 [L-32]
PA 18.1 18.2, 20.1	WBC disorder, Leukemia and plasma cell myeloma [L-33]
PA 19.1 19.2	Lymphadenopathy and Tuberculosis [L-34]
PA 19.4 19.6	Lymphoma and splenomegaly [L-35]
PA 21.1,21.2 21.3	Haemorrhagic disorder [L-36]
PA 21.4, 21.5	DIC with lab investigations [L-37]
PA 10.1,10.2,10.4	Infection and infestation 2 [L-38]
PA22.4 22.5	Blood component and TTD [L-39]
PA 22.6 22.7	Tranfusion reaction and autologous tranfusion [L-40]

PA 24.1,	Oral cavity and upper GIT [L-41]
PA 24.2 24.3	Peptic ulcer [L-42]
PA 24.5 24.6	Ulcerative lesions of intestine[L-43]
PA 24.4 24.7	Ca stomach and Ca colon[L-44]
PA 25.2	Jaundice and hepatic failure [L-45]
PA 25.3	Viral and toxic hepatitis[L-46]
PA 25.4, 25.5	Alcoholic liver disease and cirrhosis with portal hypertension[L-47]
PA 27.1,27.2	Atherosclerosis and aneurysm[L-48]
PA 27.3 27.5	Heart failure and ischemic heart disease [L-49]
PA 27.4	Rheumatic heart disease[L-50]
PA 27.6, 27.7	Infective endocarditis pericarditis[L-51]
PA 26.1, 26.2	Pneumonia and lung abscess[L-52]
PA 26.3	Obstructive airway disease and bronchiectasis [L-53]
PA 26.4	Tuberculosis of lung [L-54]
PA 26.5	Occupational lung disease [L-55]
PA 26.6, 26.7	Tumors of lung and pleura [L-56]
PA 28.5	Glomerular diseases pathogenesis -1 [L-57]
PA 28.5	Glomerular diseases pathogenesis -2 [L-58]
PA 28. 2,28.3,28.4	Acute and chronic renal failure [L-59]
PA 28.8,28.9,28.10,28.13	Tubulointerstitial disease and pyelonephritis [L-60]
PA 28.14,28.16	Renal and urothelial tumours [L-61]
PA 28.12,28.15	Cystic diseases and thrombotic disease of kidney [L-62]
PA 29.1,29.2	Testicular and penile lesions [L-63]
PA 29.3,29.4, 29.5	Lesions of prostate [L-64]
PA 30.1	Carcinoma cervix [L-65]
30.2,30.9	Lesions of endometrium [L-66]
PA 30.4, 30.5	Lesions of ovary and trophoblastic tumors [L-67]
PA 31.1,31.4	Benign breast lesions [L-68]
PA 31.2	Carcinoma breast [L-69]
PA 32.1,32.2,32.3	Lesions of thyroid [L-70]
PA 32.4	Diabetes mellitus [L-71]
PA 32.4	Lab diagnosis of diabetes [L-72]
PA 32.5. 32.6	Parathyroid and exocrine pancreas [L-73]
PA 32.7,32.8,32.9	Lesions of adrenal gland [L-74]
PA 33.1,33.4,33.5	Osteomyelitis, Paget's disease and rheumatoid arthritis [L-75]
PA 33.2	Bone tumour [L-76]
PA 33.3	Soft tissue tumours [L-77]
PA 34.1 to 34.4	Tumors of skin [L-78]
PA 8.1,8.2	Cytology [L-79]
PA35.2, 36.1	Tumors of CNS and eye [L-80]

Department of Pathology

Other Activity
Seminar
Quiz I
Quiz II
Quiz III
Poster presentation

Dr. V.P.Mane
Prof. & HOD

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Practical / Small group discussions [Pr / SGD]

1	PA 2.8	Intracellular accumulation and necrosis
2	PA 4.4	Acute and chronic inflammation
3	PA 6.2	Congestion odema
4	PA 6.3, 6.4, 6.5, 6.6	Thrombosis and embolism
5	PA 7.1	Neoplasia
6.	PA 10.3,26.4	Tuberculosis and leprosy
7.	PA 13.5	Peripheral smear examamination
8.	PA 14.3,15.3	Microcytic and macrocytic anemia
9.	PA 16.6	Hemolytic anemia
10.	PA 18.1,18.2, 20.1	WBC disorder and plasma cell myeloma
11.	PA 19.3,19.5	Lesions of lymph node
12.	PA 22.1 to 22.7, 21.1 to 21.5	Blood banking and hemorrhagic disorders
13.	PA 24.1 to 24.7	Gastrointestinal tract
14.	PA 26.6	Liver function tests and Tumors of liver
15.	PA 27.8	Cardiac function test and slides of atherosclerosis and RHD

16.	PA 26.1 to 26.7	Respiratory system
17.	PA28.1 to 28.14	Renal system
18.		Urine examination
19.	PA 29.1 to 29.5	Male genital system
20.	PA 30.1 to 30.9	Female genital tract
21.	PA 31.3	Carcinoma breast
22.	PA 32.1 to 32.9	Endocrine system
23.	PA 33.1 to 33.5	Lesions of bone and joint
24.	PA 34.1 to 34.4	Tumors of skin
25.	PA 8.3	Cytology
26.	PA 35.3	Diseases of CNS and Meningitis

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Self directed learning [SDL]		
1.	PA 5.1	Repair of specialised tissue
2.	PA 7.5	Tumor immunology
3.	PA 11.3	Storage disorders in infancy
4.	PA13.1 13.2	Hematopoiesis and anticoagulant
5.	PA 12.3	Obesity
6.	PA 16.7	Cross matching
7.	PA 14.1 to 16.7	Lab diagnosis of anemia
8.	PA 17.2	Bone marrow aspiration and biopsy
9.	PA 25.1	Bilirubin metabolism, hyperbilirubinemia
10.	PA 27.9 27.10	Cardiomyopathy and syphilis
11.	PA 28.1	Normal histology of kidney
12.	PA 30.2	Lesions of myometrium
13.	PA 30.6,30.7,30.8	Cervicitis, endometriosis and adenomyosis
14.	PA32.4	Lab diagnosis of complication of DM
15.	PA 28.2	Renal function test

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Small group discussions [SGD]

1.		Histotechnique and study of cells
2.	PA 2.6	Cellular adaptations
3.	PA29.1	Semen analysis charts
4.	PA 32.1,32.2,32.3	Thyroid function test
5.	PA 35.1	Meningitis
6.	PA 25.2	Body fluids

Dr. V. P.Mane
Prof. & HOD

MEDICAL COLLEGE & HOSPITAL, SANGLI

Department of Community Medicine

II Phase Lecture Timetable

Venue - Microbiology Lecture Hall

Day:- Tuesday

Time : - 1.30pm. To 2.30pm.

Sr. No.	Date	Topic	Name of Teacher
1	2/8/2022	CM 7.1 Concept of Epidemiology	
2	2/15/2022	CM 7.3 Epidemiological Data sources of Epidemiological Data	
3	2/22/2022	CM 7.5,7.8 Classification of Epidemiological Studies & Observational study	
4	3/1/2022	CM 7.5,7.8 Analytical study	
5	3/8/2022	CM 7.5,7.8 Experimental Study	
6	3/15/2022	CM 7.8 Association & Causation	
7	3/22/2022	CM 7.7, 20.4 SDL Investigation of epidemic	
8	3/29/2022	CM 8.1,8.3 Epidemiology & Prevention of Tuberculosis	
9	4/5/2022	CM 8.1,8.3 Epidemiology & Prevention of Leprosy	
10	4/12/2022	CM 8.1,8.3 Epidemiology & Prevention of Polio & Intestinal Infection	
11	4/19/2022	CM 8.1,8.3 Epidemiology & Control of diarrhoeal diseases	
12	4/26/2022	CM 5.3 PEM	
13	5/10/2022	CM 5.5, 5.6 Nutritional Surveillance, Policy & Program	
14	5/17/2022	CM 5.8 SDL Food Hygiene & food adulteration	
15	5/24/2022	CM 14.1,14.2,14.3 Hospital Waste Management	
16	5/31/2022	CM 6.2, 6.4 Introduction to Statistics	
17	6/7/2022	CM 6.2,6.4 Classification & Tabulation	
18	6/14/2022	CM 6.2,6.4 Presentation of data: Diagrams, Graphics	
19	6/21/2022	CM 6.4 Sampling	
20	6/28/2022	CM 6.2,6.4 Measures of Central Tendency	
21	7/5/2022	CM 6.2,6.4 Measures of Variation	
22	7/12/2022	CM 6.2,6.3 Normal Curve & Normal Distribution	

Pandemic module

Date	Time	Topic
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23	11/18/2022	1.30-2.30	Pandemic module 2.2
24	11/19/2022 2	8.30- 9.30	Pandemic module 2.2
25	12/5/2022	10.30-12.30	Pandemic module 2.2
26	12/7/2022	8.30-9.30	Pandemic module 2.2
27	12/10/2022 2	8.30-9.30	Pandemic module 2.2

ANNEXURE

Bharati Medical College & Hospital, Sangli

Dept. of Forensic Medicine and Toxicology

Teaching Schedule Phase II – 2022

Sr. No	Competency Number	Competency	T/L Methods	Teaching Hours
1	FM 1.1 FM 1.2	<ul style="list-style-type: none"> • Introduction & History of Forensic medicine • Demonstrate knowledge of basics of Forensic Medicine like definitions of Forensic Medicine, clinical forensic medicine, Forensic pathology, State medicine, Legal medicine & Medical jurisprudence 	L	1
2	FM 8.1	<ul style="list-style-type: none"> • H/O Toxicology 	SDL	1
3	FM 8.8	<ul style="list-style-type: none"> • Describe basic methodologies in treatment of poisoning: decontamination, supportive therapy, procedure of enhanced elimination. 	L	1
4	FM 8.10	<ul style="list-style-type: none"> • Analytical Toxicology- Description of TLC, Gas Chromatography, Liquid Chromatography, Atomic absorption Spectroscopy 	L	1
5	FM 9.2	<ul style="list-style-type: none"> • Describe general principles & basic methodologies in treatment of poisoning, decontamination, supportive therapy, antidote therapy, procedure of enhanced elimination with regard to Iodine, Phosphorus, Barium 	L	1
6	FM 9.3 Part I	<ul style="list-style-type: none"> • Describe general principles & basic methodologies in treatment of poisoning, decontamination, supportive therapy, antidote therapy, procedure of enhanced elimination with regard to Arsenic, lead, mercury, copper, iron, cadmium, and thallium 	L	1
7	FM 9.3 Part II	<ul style="list-style-type: none"> • Describe general principles & basic methodologies in treatment of poisoning, decontamination, supportive therapy, antidote therapy, procedure of enhanced elimination with regard to Arsenic, lead, mercury, copper, iron, cadmium, and thallium 	L	1
8	FM 2.1 FM 2.2 FM 2.3	<ul style="list-style-type: none"> • Define, describe and discuss Death and its types, including somatic/ clinical/ cellular, molecular and brain death, cortical and brainstem death • Define and describe Natural and unnatural death • Describe and discuss issues related to sudden natural death. 	L	1
9	FM 2.5 FM 2.6 FM 2.7	<ul style="list-style-type: none"> • Discuss Moment of death, mode of death, coma, asphyxia and syncope. • Discuss presumption of death and survivorship. 	L	1

		<ul style="list-style-type: none"> Describe and discuss suspended animation. 		
10	FM 2.4	<ul style="list-style-type: none"> Describe salient features of Organ Transplantation and the Human Organs Transplant (Amendment) Act 2011 and discuss ethical issues regarding organ donation. 	SDL	1
11	FM 2.11, FM 2.14, FM 8.5, FM 8.9	<ul style="list-style-type: none"> Describe and discuss autopsy procedures including post mortem examination, different types of autopsies, aims and objectives of post mortem examination Describe and discuss examination of clothing, Preservation of Viscera on post mortem examination for chemical analysis and other medico legal purposes, post mortem artefacts Describe medico legal autopsy in cases of poisoning including preservation and dispatch of viscera for analysis Describe the procedure of Intimation of suspicious or actual cases of foul play to the Police, Maintenance of records, preservation and dispatch of relevant samples for laboratory analysis 	L	1
12	FM 2.19	<ul style="list-style-type: none"> Investigation of Anesthetic, Operative Deaths: describe and discuss protocols for conduction of autopsy and for collection and preservation and dispatch of related material evidences. 	SDL	1
13	FM 2.15	<ul style="list-style-type: none"> Describe special protocols for medico legal autopsies in cases of death in custody or following violation of Human rights as per NHRC Guidelines. 	SDL	1
14	FM 2.12 FM 2.13 FM 2.17	<ul style="list-style-type: none"> Describe the legal requirements to conduct post mortem examination and procedures to conduct medico legal autopsy. Describe and discuss Obscure autopsy Describe and discuss Exhumation 	L	1
15	FM 10.1	<ul style="list-style-type: none"> Describe general principles & basic methodologies in treatment of poisoning, decontamination, supportive therapy, antidote therapy, procedure of enhanced elimination with regard to: Paracetamol, Salicylates, antibiotics, barbiturates, benzodiazepines, phenytion, lithium, haloperidol, tricyclics, narcotic analgesics, anaesthetics, muscle relaxants, cardiotoxic plants, and insulin.(Integration with Pharmacology) 	SDL	1
16	FM 10.1	<ul style="list-style-type: none"> Describe general principles & basic methodologies in treatment of poisoning, decontamination, supportive therapy, antidote therapy, procedure of enhanced elimination with regard to: cardiotoxic plants- oleander, odallum, aconite, and digitalis. 	L	1

17	FM 9.4 -Part 1	<ul style="list-style-type: none"> Describe general principles & basic methodologies in treatment of poisoning, decontamination, supportive therapy, antidote therapy, procedure of enhanced elimination with regard to: ethanol 	L	1
18	FM 9.4 -Part 2	<ul style="list-style-type: none"> Describe general principles & basic methodologies in treatment of poisoning, decontamination, supportive therapy, antidote therapy, procedure of enhanced elimination with regard to: methanol, ethylene glycol 	L	1
19	FM 12.1	<ul style="list-style-type: none"> Describe features and management of abuse/poisoning with following: Tobacco, Cannabis, Amphetamine, Cocaine, hallucinogens, Designer drugs & solvents. 	L	1
20	FM 13.1 FM 13.2	<ul style="list-style-type: none"> Describe toxic pollution of environment, its medico legal aspects and toxic hazards of occupation and industry. Describe medico legal aspects of poisoning Workman's Compensation Act 	L	1
21		<ul style="list-style-type: none"> Formative Assessment 1 	L	1
22		<ul style="list-style-type: none"> Feedback Session 	L	1

Sr. No	Competency Number	Competency	T/L Methods	Teaching Hours
1	FM 8.2 FM 8.3 FM 8.4 FM 8.6	<ul style="list-style-type: none"> Define Toxicology, Forensic Toxicology, Clinical toxicology & Poison. Describe the various types of poisons, toxic kinetics, toxic dynamics & diagnosis of poisoning in living & dead. Describe laws in relation to poisons including NDPS Act, medico legal aspects of poisons. Describe the general symptoms, principles of diagnosis & management of common poisons encountered in India. 	SGD	2
2	FM 2.16 FM 14.9	<ul style="list-style-type: none"> Describe and discuss examination of mutilated bodies or fragments, charred bones & bundle of bones. Demonstrate examination of & present an opinion after examination of Skeletal remains in a supervised environment (Skull and Mandible) 	SGD	2
3	FM 14.9	<ul style="list-style-type: none"> Demonstrate examination of & present an opinion after examination of Skeletal remains in a supervised environment (Pelvis and Femur) 	SGD	2

4	FM 14.6 FM 14.7 FM 14.8	<ul style="list-style-type: none"> • Demonstrate & Interpret Medico-legal aspects from examination of Hair, Fiber, Semen & other biological fluids. • Demonstrate & identify that a particular stain is blood and identify the species of its origin • Demonstrate the correct technique to perform and identify ABO & Rh blood group of person 	SGD	2
5	FM 14.2 FM 14.3 FM 8.7	<ul style="list-style-type: none"> • Demonstrate the correct technique of Examination in a suspected case of poisoning and prepare medico legal report in a simulated/supervised environment. • Assist and demonstrate proper technique of collection, preservation & dispatch of exhibits in a suspected case of poisoning, along with clinical examination • Demonstrate simple bed side clinic test to detect poison/drug in a patient's body fluids. 	SGD	2
6	FM 3.1	<ul style="list-style-type: none"> • Define and describe Corpus delicti, establishment of identity of living person including Race, Sex, Religion, complexion, Stature, age determination using morphology, teeth-eruption, decay, bite marks, bones-ossification center, medico legal aspects of age 	SGD	2
7	FM 3.2	<ul style="list-style-type: none"> • Describe and discuss Identification of criminals, unknown persons, dead bodies from the remains – hairs, fibers, teeth, Anthropometry, dactylography, foot print, scars, tattoos, poroscopy, superimposition 	SGD	2
8	FM 9.1	<ul style="list-style-type: none"> • Describe general principles & basic methodologies in treatment of poisoning, decontamination, supportive therapy, antidote therapy, procedure of enhanced elimination with regard to: Caustics inorganic- sulphuric, nitric, and hydrochloric acids; organic-carbolic acid, oxalic and salicylic acids 	SGD	2
9	FM 9.5	<ul style="list-style-type: none"> • Describe general principles & basic methodologies in treatment of poisoning, decontamination, supportive therapy, antidote therapy, procedure of enhanced elimination with regard to: Organophosphates, Carbamates, Organochlorines, Pyrethroids, Paraquat, Aluminium and Zinc phosphide 	SGD	2
10	FM 11.1	<ul style="list-style-type: none"> • Describe features and management of Snake bite, Scorpion sting, bee and Wasp sting and spider bite 	SGD	2
11	FM 2.8 FM 2.10	<ul style="list-style-type: none"> • Describe and discuss post mortem changes including signs of death, cooling of body, post mortem lividity, rigor mortis, cadaveric spasm, cold stiffening and heat stiffening. 	SGD	2

		<ul style="list-style-type: none"> • Discuss estimation of Time since death. 		
12	FM 2.9	<ul style="list-style-type: none"> • Describe putrefaction, mummification, adipocere and maceration. 	SGD	2
13	FM 2.18	<ul style="list-style-type: none"> • Crime Scene Investigation: describe and discuss the objectives of crime scene visit, the duties & responsibilities of doctors on crime scene and the reconstruction of sequence of events after crime scene investigation. 	SGD	2
14	FM 14.5	<ul style="list-style-type: none"> • Conduct & Prepare post mortem examination report of varied etiologies in a simulated/supervised environment 	SGD	2
15	FM 14.17	<ul style="list-style-type: none"> • To identify and draw medico legal inferences from common poisons – datura, castor, cannabis, opium, aconite, copper sulphate, pesticide, marking nut, oleander, nux vomica, abrus seeds, snakes, capsicum, calotropis, lead compounds and tobacco. 	SGD	2
16	FM 14.5	<ul style="list-style-type: none"> • Conduct & Prepare post mortem examination report of varied etiologies in a simulated/supervised environment 	SGD	2
17	FM 2.31 FM 2.32 FM 2.33 FM 2.35	<ul style="list-style-type: none"> • Demonstrate ability to work in a team for conduction of ML autopsies in cases of death following alleged medical negligence, dowry death, death in custody or following violation of human rights as per NHRC Guidelines on exhumation. • Demonstrate ability to exchange information by verbal or nonverbal communication to the peers, family members, law enforcing agency and judiciary. • Demonstrate ability to use local resources whenever required like in mass disaster situations. • Demonstrate professionalism while conducting autopsy in medico legal situations, interpretation of findings and making inference/ opinion, collection, preservation and dispatch of biological or trace evidences. 	SGD	2
18	FM 14.19	<ul style="list-style-type: none"> • To identify & prepare medico-legal inference from histopathological slides of myocardial infarction, pneumonitis, tuberculosis, brain infarct, liver cirrhosis, brain hemorrhage, bone fracture, pulmonary oedema, brain oedema, soot particles, diatoms and wound healing. 	SGD	2

Lectures – 17 Hours

SDL – 05 Hours

SGD – 18 Hours

