DEPARTMENT WISE LIST OF FACULTY MEMBERS

Dept	Name of the faculty Qualification IMR number	Current Designation & Date of promotion	Nature of Employment	Details of service in last 5 years					Number of lectures taken/year. Topics covered
				1	2	3	4	5	
				2019	2020	2021	2022	2023	
Microbiology	Dr. Anuradha Makkar MBBS,MD(Micro) IMR No. MIC-187033	Prof & Head 16 Jan 2012	Contract	ACMS	ACMS	ACMS	ACMS	ACMS	Theory- approx 60 hours plus seminars/SDL/Practicals on req. basis Topics- Annexure 2
	Dr. Kanwaljit Kaur MBBS,MD(Micro) IMR No. MIC-	Professor	Permanent	Army Hospital	Army Hospital	Army Hospital	Army Hospital	ACMS	Theory – approx 02 hours Topics- Annexure 2
	Dr. Inam Danish Khan MBBS,MD(Micro) DNB IMR No. MIC-2316742	Professor 02 Aug 2023	Permanent	ACMS	Command hos-Udhampur	Command hos-Udhampur ACMS Aug 21	ACMS	ACMS	Theory- approx 08 hours Topics- Annexure 2
	Dr. Kirtika Panda MBBS,MD(Micro) IMR No. MIC-2280221	Asst Prof 21 Sept. 2021	Contract	Capital hospital, Bhubaneshwar	SCB Cuttack as SR	SCB Cuttack as SR	ACMS	ACMS	Theory- approx 40 hours plus seminars/SDL/Practicals on req. basis AETCOM classes 10 hrs Topics- Annexure 2
	Dr. Swati Jain MBBS,MD(Micro) IMR No. MIC-	Asst. Prof	Contract	IMS & SUM hospital as SR	-IMS & SUM hospital as AP till Aug 2020 -Consultant	Consultant in Dr Dangs Lab till 04 July -CNBC	RML as Asst Prof -Joined ACMS as AP	ACMS	Theory- approx 40 hours plus seminars/SDL/Practicals on req basis Topics – Annexure 2

					in Dr Dangs Lab	as SR till 26 Dec	from 08 April 22		
	Sanjay Singh Kaira MSc Medical Micro IMR No. MIC-2252929	Tutor 03 Nov. 2014	Contract	ACMS	ACMS	ACMS	ACMS	ACMS	Practicals- approx 60 hours plus seminars/SDL on req. basis Topics- Annexure 2

Annexure 2

THEORY TOPICS

Dr. Anuradha Makkar

1. Introduction to Microbiology
2. Classification & Morphology of Bacteria
3. Physiology of bacteria
4. Sterilization & Disinfection
5. Infection
6. Antibody
7. Antigen antibody Reaction
8. Introduction to virology
9. Overview of viral infection
10. Lab diagnosis of viral infection
11. Causes of anemia
12. Malaria
13. Leishmania
14. Kala-azar

15. Filariasis
16. Introduction to Mycology
17. Lab diagnosis of fungal infection
18. Candidiasis
19. Streptococcus
20. Acute Rheumatic fever
21. Corynebacterium diphtheria
22. Atypical Mycobacteria
23. Sore throat
24. Aspergillosis & Penicilliosis
25. Zygomycosis & Pneumocystitis
26. Pneumocccus
27. Food poisoning & B.cereus
28. Method of anaerobiasis
29. Clostridium
30. Staphylococcus
31. Cl. tetani
32. Hepatitis Viruses
33. Cryptococcus
34. Meningitis
35. Meningococcus
36. Gonococcus
37. Superficial fungal infection
38. UTI & CAUTI
39. HAI
40. Slow viral infections

Dr. Kanwaljit Kaur

1. Pandemic module

Dr. ID Khan

1. Hypersensitivity Reaction
2. Tumor immunology
3. Molecular diagnosis of laboratory infection
4. Mycobacterium Tuberculosis
5. HIV

Dr. Kirtika Panda

1. Bacterial genetics
2. Mechanism of antimicrobial resistance
3. Complement System
4. Lab diagnosis of bacterial infection
5. Enteric fever
6. Non – typhoidal salmonella
7. Brucella
8. Hemophilus
9. VAP & causes of LRTI
10. Atypical pneumonia
11. Causes of diarrhoea, dysentery
12. Enterobacteriaceae & shigella
13. Amoebiasis
14. Bordetella
15. Giardia
16. Congenital infections
17. Viral gastroenteritis
18. Intestinal coccidian parasites
19. Parasites infecting brain
20. Soft tissues & bone infections
21. Pseudomonas
22. Leprosy
23. Needle stick injury

24. Syphilis
25. Herpes & T. vaginalis
26. Poxvirus, Varicella zoster & HHV – 8
27. Rational use of Microbiological investigation
28. Outbreak investigation

Dr. Swati Jain

1. Immunity
2. Antigen
3. Immunology & anatomy of immune system
4. Immune response
5. Immunodeficiency
6. Autoimmunity
7. Overview of parasitic infections
8. BSI, PUO & I.E
9. Rickettsial infections
10. Leptospira
11. Borrelia
12. Systemic mycoses
13. URTI
14. Orthomyxoviruses
15. Paramyxoviruses
16. Intestinal nematodes
17. Cholera
18. Cestodes
19. Helicobacter & Campylobacter
20. Oncogenic viruses
21. Rabies
22. Polio
23. Zoonosis including anthrax

24. Environmental surveillance
25. Ocular infections
26. Emerging and re-emerging infections
27. Infections in immune-compromised patients
28. Subcutaneous mycoses
29. Miscellaneous viral infections

Sanjay Singh Kaira

1. Bacteriophage

DEPARTMENT – All Faculty involved

1. COVID – 19
2. Arboviruses – Zig – Saw
3. Meningitis – Concept Map

Annexure 2

PRACTICALS

Dr. Anuradha Makkar

1. Culture Media

Dr. Kirtika Panda

1. Hanging drop – Demo
2. Specimen processing & transport
3. Biochemical Reactions
4. Widal, ELISA
5. Salmonella
6. E.coli

Dr. Swati Jain

1. Biosafety
2. Gram stain – Demo
3. Use of animals in Microbiology

4. Egg inoculation
5. Serology of Dengue
6. Filaria
7. Albert stain
8. Klebsiella
9. Proteus
10. Demo. of Gono, Meningo, Crypto , Pneumo

Sanjay Singh Kaira

1. Microscopy & Micrometry
2. Gram Staining
3. Hanging drop
4. Culture Methods
5. ABST
6. Demonstration of spots
7. Colony Morphology
8. Visit to CSSD
9. Entomology
10. Immunoprophylaxis
11. Salmonella
12. E.coli
13. Klebsiella
14. Proteus
15. Albert stain
16. Demo of vaccines, LD body, Malarial Slides
17. Slide culture
18. Candida
19. Streptococcus
20. Fungal slides
21. ZN staining – Demo & DO

22. ASO test
23. Parasitology specimen
24. Stool examination (Normal)
25. Stool examination (Pathological)
26. Viral serology – HIV, HBsAg, HCV
27. PPE & Hand hygiene – Demo
28. Bacteriology of water