



ST. ANN'S COLLEGE FOR WOMEN

(A Catholic Christian Minority Institution Affiliated to Acharya Nagarjuna University)
(Recognized the College Under Section 2(f) of the UGC Act. 1956 - New Delhi)

AMARAVATHI ROAD, GORANTLA, GUNTUR - 522 034. A.P.

ADMISSION NOTICE

ADD ON COURSE: 2022-2023

The department of Microbiology propose to enroll Add On course on **CLINICAL LABORATORY SCIENCE**. This programme is for the students of III-year BSC-BBC Students of our college commence from 10th June to 16th June 2023

Details of the course are :

Course	: CLINICAL LABORATORY SCIENCE
Period of course	: 10 th June to 16 th June 2023
Duration	: 30 hours
Time	: 9:00am to 12:00pm & 1:00pm to 4:00pm
Mode of teaching	: Offline
Registration Fee	: 100/-
Venue	: Microbiology lab
Course coordinator	: Mrs.B.Ranjitha
Last date for registration	: 08 th June 2023

- A Minimum 80% attendance & 70% Marks in Final assessment conducted by the Department are Mandatory requirements for obtaining the certificate

B. Ranjitha

Head of Dept. of Microbiology
St. Ann's College for Women
GORANTLA, GUNTUR-522034



D. B.
PRINCIPAL

2/6/23
St. Ann's College for Women
GORANTLA, GUNTUR-522 034

ADD-ON COURSE SYLLABUS
CLINICAL LABORATORY SCIENCES

UNIT – I

Introduction to bacteria, size, shape structure of cell wall .Types of cell wall
Study of Morphology of bacteria - Gram stain ,Acid fast stain Ziehl nelson stain,
Endospore Stain
Classification of bacteria,Bacterial growth curve
Bacterial Reproduction,Different culture media for Bacterial growth

UNIT – II

Introduction of microbial Diseases and Diagnosis of Malaria, Typhoid, Tuberculosis
Collection of clinical samples – oral cavities, Throat, skin Blood , CSF, Urine & Faeces
Autoimmune diseases

UNIT –III

Examination of sample by staining blood smears – Gram stain, ziehl –neelson staining for tuberculosis , Giemsa - Stained thin blood film for malaria for diagnosis
Laboratory kits for diagnosis ESR Typhoid, Malaria card test
Describe the testing procedures for evaluating antimicrobial susceptibility test

PRACTICALS:-

1. Deferential Leucocyte count
2. ESR test
3. Antibiotic Disc Diffusion test
4. Blood smear Examination
5. WIDAL test
6. PVC
7. Urine Analysis
8. RA (Rheumatoid Arthritis)



B. Rajitha
**Head of Dept. of Microbiology,
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[Signature]
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