

A.S.D. Govt. Degree College for Women (A), Kakinada

DEPARTMENT OF MICROBIOLOGY

BRIDGE COURSE:2022-23

From 31-10-22 to 15-11-22

The institution assesses the learning levels of the students, after admission and organizes special programs for advanced learners and slow learners.

The following are the strategies adopted to bridge the knowledge gap. Induction training program is given for the students immediately upon joining the institution. The programme also provides information on various facilities available and a summary of important rules and regulations which students need to follow in the laboratory.

Students are identified based on their performance in intermediate examination and by conducting a test in basic concepts in biology. Bridge course is given for all the students opted for Microbiology before commencing the regular classes.

BRIDGE COURSE:

A microbiologist must familiar with all major groups of micro-organisms and other fields interrelated to Microbiology. Bridge course help the learners to connect with the core subject and learn the skills which will make them confident and enhance their knowledge. Fresher to the subject needs an introduction to whole before dwelling into deep interests in Microbiology. After completing the bridge course, a test is conducted to assess student's communication skills and depth of knowledge in the subject.

Bridge Course Content:

- ❖ To make learners familiar with the Microbiology and its various terminologies.
- ❖ To make the learners aware about microbes around in the environment and the cause and control of infectious diseases.
- ❖ Scope, importance and carrier aspects in Microbiology.
- ❖ Introduction, extent and impact of micro-organisms
- ❖ The microbial world and you
- ❖ Prokaryotic diversity & their control
- ❖ Immunity and vaccines
- ❖ Different fields of Microbiology
- ❖ Basics of Microscopy & Microbiology lab instrumentation
- ❖ Molecular biology and genetic engineering
- ❖ Authors and reference books
- ❖ Laboratory safety and introduction to instruments
- ❖ Sterilization and disinfection

2022 - 2023.

3

31/10/2022.

BRIDGE COURSE ON.
MICROBIOLOGY

The following students have attended the bridge class today & the topic is Introduction to Microbiology, Scope & Importance of Microbiology.

- | | | |
|------------------|---|----------------------|
| V. Durga bhavani | - | V. Durga bhavani |
| A. Laxmi | - | A. Lakshmi |
| Ch. Rudhra | - | Ch. Rudramahalakshmi |
| R. Madhu | - | R. Madhu |
| S. Poojitha | - | S. Sri Poojitha |
| P. Ganga bhavani | - | P. Ganga Bhavani |

D. Nayana
a/c. Microbiology

V. D. Nayana
PRINCIPAL
A.S.D. GOVT. DEGREE COLLEGE (W.)
AUTONOMOUS
KAKINADA

11/11/2020

The following students of D. B. Sc Microbiology have attended the Bridge Course PRE TEST on Basics of Microbiology.

- V. Durga bhavani - V. Durga bhavani
- P. Ganga bhavani - P. Ganga Bhavani
- A. Laxmi - A. Lakshmi
- Ch. Rudra - Ch. Rudra maha Lakshmi
- P. Bhavani - P. Bhavani
- R. Madhu - R. Madhu
- S. poojitha - S. Sri Pujitha

| | | |
|--------------------|--------|--------------------|
| P. Susma | 11 | - P. Suema |
| P. Kusma | 11 | - P. Kusuma |
| J. Hemalatha | 8 | - J. Hemalatha |
| V. Durga bhavani | 14 | - V. Durga bhavani |
| P. Ganga bhavani | 11 | - P. Ganga bhavani |
| A. Laxmi | 10 | - A. Lakshmi |
| Ch. Rudra | Absent | - Absent |
| P. Bhavani | 9 | - P. Bhavani |
| M. Rani | 10 | - M. Rani |
| P. Krishnaveni | 9 | - P. k. veni |
| R. Madhu | 10 | - R. Madhu |
| S. Sri poojitha | 8 | - S. Sri Pujitha |
| B. Parimila pushpa | 6 | - B. P. Pushpa |

2/1/2022

Historical events in development of
Microbiology, Abiogenesis theory vs
spontaneous generation theory.

V. Dwaga bhavani - V. Dwaga bhavani
P. Ganga bhavani - P. Ganga Bhavani
A. Laxmi - A. Lakshmi
Ch. Rudhra - ch. Rudramahalakshmi
P. Krishnaveni - P. Krishnaveni
P. Bhavani - P. Bhavani
R. Madhu - R. Madhu
S. poojitha - S. Sri Pujitha

[Signature]

Microscopy - Working principle, Handling
magnification, applications.

V. Dwaga bhavani - V. Dwaga bhavani
Ch. Rudhra - ch. Rudra mahalakshmi
A. Laxmi - A. Lakshmi
R. Madhu - R. Madhu
P. Bhavani - P. Bhavani
P. Ganga bhavani - P. Ganga Bhavani
P. Krishnaveni - P. Krishnaveni

[Signature]

04/11/22

4/11/2022

Microbiology Laboratory Equipments, their working principle, uses.

V. Durga bhavani - V. Durga bhavani
 Ch. Redhra - ch. Rudramahalakshmi
 A. Laxmi - A. Lakshmi
 P. Bhavani - P. Bhavani
 R. Madhu - R. Madhu
 S. Poojitha - S. Sri Poojitha
 P. Ganga bhavani - P. Ganga Bhavani

[Signature]

5/11/2022

Safety measures in the microbiology laboratory.

V. Durga bhavani - V. Durga bhavani
 A. Laxmi - A. Lakshmi
 Ch. Redhra - ch. Rudramahalakshmi
 P. Krishnaveni - P. K. Veni
 P. Bhavani - P. Bhavani
 R. Madhu - R. Madhu
 S. Poojitha - S. Sri Poojitha
 P. Ganga bhavani - P. Ganga Bhavani

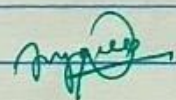
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11/11/2021

11/11/2021

career opportunities in microbiology future prospects of Microbiology

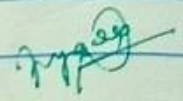
- | | |
|------------------|------------------------|
| 1. Durga bhavani | - V. Durga Bhavani |
| 2. Ganga Bhavani | - P. Ganga Bhavani |
| ch. Rudhra | - ch. Rudramahalakshmi |
| p. Krishnaveni | - P. K. Veni |
| p. Bhavani | - P. Bhavani |
| R. Madhu | - R. Madhu |
| S. Poojitha | - S. Sri Poojitha |
| A. Laxmi | - A. Lakshmi |



11/11/2021

Basic characteristic features :- Types of Microorganisms

- | | |
|------------------|------------------------|
| V. Durga bhavani | - V. Durga bhavani |
| A. Laxmi | - A. Lakshmi |
| ch. Rudhra | - ch. Rudramahalakshmi |
| p. Krishnaveni | - P. K. Veni |
| p. Bhavani | - P. Bhavani |
| R. Madhu | - R. Madhu |
| S. Poojitha | - S. Sri Poojitha |
| P. Ganga bhavani | - P. Ganga Bhavani |



9/11/2022

Scope and Applications & Different fields.
Importance of Microbiology

- | | | |
|------------------|---|----------------------|
| V. Durga bhavani | - | V. Durga bhavani |
| A. laxmi | - | A. lakshmi |
| Ch. Rudra | - | Ch. Rudramahalakshmi |
| P. Bhavani | - | P. Bhavani |
| R. Madhu | - | R. Madhu |
| S. poojitha | - | S. Sri Pujitha |
| P. Ganga bhavani | - | P. Ganga Bhavani |

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10/11/2022

Bacteria, fungi, Virus, protozoa

- | | | |
|------------------|---|----------------------|
| V. Durga bhavani | - | V. Durga bhavani |
| A. laxmi | - | A. lakshmi |
| Ch. Rudra | - | Ch. Rudramahalakshmi |
| P. krishnaveni | - | P. K. Veni |
| R. Madhu | - | R. Madhu |
| S. Sri poojitha | - | S. Sri Pujitha |
| P. Ganga bhavani | - | P. Ganga Bhavani |
| M. Rani | - | M. Rani |

~~Signature~~

17/11/2022

Names of Bacterial Diseases

- Types Study Briefly.

| | | |
|------------------|---|----------------------|
| V. Durga bhavani | - | V. Durga bhavani |
| A. Lakshmi | - | A. Lakshmi |
| Ch. Rudhra | - | Ch. Rudra mahalaktmi |
| P. Krishnaveni | - | P. K. Veni |
| R. Madhu | - | R. Madhu |
| P. Ganga bhavani | - | P. Ganga Bhavani |
| S. Sri Poojitha | - | S. Sri Poojitha |
| M. Rani | - | M. Rani |

~~Answer~~

17/11/2022

Name of viral Diseases

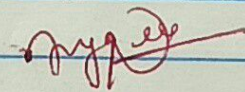
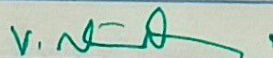
| | | |
|------------------|---|----------------------|
| V. Durga bhavani | - | V. Durga bhavani |
| A. Lakshmi | - | A. Lakshmi |
| Ch. Rudhra | - | Ch. Rudra mahalaktmi |
| P. Krishnaveni | - | Krishna Veni |
| R. Madhu | - | R. Madhu |
| S. Sri Poojitha | - | S. Sri Poojitha |
| P. Ganga bhavani | - | P. Ganga Bhavani |
| M. Rani | - | M. Rani |

~~Answer~~

15/11/2022

BASIC laboratory Equipments and
Safety Precautions to work in laboratory,
Remaining Students BRIDGE COURSE Post Test.

| | Marks | |
|---------------------------------|--------------|---------------------|
| P. Susma | 20 | - P. SUSMA |
| P. Kusuma | 18 | - P. Kusuma |
| J. Hemalatha | 22 | - J. Hemalatha |
| V. Dwaga bhavani | 21 | - V. Dwaga bhavani |
| P. Ganga bhavani | 21 | - P. Ganga Bhavani |
| A. Laxmi | 24 | - A. Laxshmi |
| Ch. Rudhra | A (Pre Test) | - Absent. Rudhra/23 |
| P. Bhavani | 18 | - P. Bhavani |
| M. Rani | 22 | - M. Rani |
| P. Krishnaveni | 20 | - P. Krishnaveni |
| R. Madhu | 20 | - R. Madhu |
| S. Poojitha | 17 | - S. Sri Poojitha. |
| B. Parimila pushpa / 17-11-22 / | 16 | - B. P. Pushpa |

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