

**Dr. Umayal Ramanathan College for Women**

Accredited with B+ Grade by NAAC

Affiliated to Alagappa University

(Run by Dr. Alagappa Chettiar Educational Trust)

Karaikudi-630 003

**Department of Microbiology & CLT**

**Bridge course Schedule (2020-2021)**

DATE	TIME	SYLLABUS /TOPICS	NAME OF THE STAFF	MEETING LINK
7.9.2020	10.00am-11.00am	Academic overview of the Department & Curriculum	Dr. B. Eswara priya	<a href="https://meet.google.com/abd-ejgh-gpo">https://meet.google.com/abd-ejgh-gpo</a>
7.9.2020	1.00pm-2.00pm	Basics of Laboratory techniques & Safety Measures	Mrs. P. Rathi Devi	<a href="https://meet.google.com/vgh-kqcc-rtr">https://meet.google.com/vgh-kqcc-rtr</a>
8.9.2020	10.15am-11.15 pm	Scope of Microbiology	Mrs. N. Sudha	<a href="https://meet.google.com/kcf-nvkd-ijm">https://meet.google.com/kcf-nvkd-ijm</a>
8.9.2020	2.00pm-3.00 pm	Personality Development	Dr. A. Shiny Guruce	<a href="https://meet.google.com/kcf-nvkd-ijm">https://meet.google.com/kcf-nvkd-ijm</a>
8.9.2020	3.00pm-4.00pm	Evaluation Bridge Course Assessment Test	Mrs. P. Rathi Devi	<a href="https://forms.gle/CyQtDQqi3HUFWoiG9">https://forms.gle/CyQtDQqi3HUFWoiG9</a>

  
Head of the Department

  
Principal

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**Department of Microbiology & CLT**  
**Bridge course Bridge course -Syllabus (2020—2021)**

**Objective:**

- ❖ To provide adequate basic understanding about subjects in Microbiology & CLT.
- ❖ To train students in effective communication skills
- ❖ To prepare students to exploit opportunities being created in areas of Microbiology & CLT.
- ❖ To develop overall competence among students and to inculcate entrepreneurship skills among them.

**UNIT- I**

Introduction about the college, rules and regulations of the college, clubs in the college, facilities in the college. Introduction about the department, the objective of the course, about the syllabus. Department activities: Industrial visit, Mini projects, competitions, conference, workshop, Diploma courses, Certificate courses, Association activities etc....

**UNIT- 2**

Introduction & Scope of Microbiology- Scope for Opportunities & Challenges. Basic Introduction about subject papers. Programme structure for theory and practical, scheme of *evaluation*.

**UNIT- 3**

Fundamentals of Laboratory techniques- laboratory equipment, handling and maintenance of instruments.

**UNIT- 4**

Bio-safety protocols- laboratory safety rules, precautions, handling and maintenance of instruments

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**Online Bridge Course (2020-2021)**



Dr. B. Eswarapriya, Head of the Department addressed the students and instructed the college rules and regulations, Academic overview of the Department Curriculum and the objective of the course. Mrs. N. Sudha discussed about the Scope, opportunities and Challenges of the subject



Mrs. P. Rathi Devi discussed about the fundamentals of laboratory techniques. Assessment test was carried out through google forms <https://forms.gle/CyQtDQqi3HUFWoiG9>

*B. Eswarapriya*  
 Head of the Department

*S. Jayadevi*  
 Principal

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**Department of Microbiology & CLT**  
**Online Bridge Course (2020-2021)-Assessment**

**Class: I BSc Microbiology & CLT Time : 3.00 pm-4.00 pm**  
**Date : 08/09/2020**

**Marks: 25 marks**  
**(1x25=25 marks)**

**Choose the best answer**

1. Name the person who coined the term Gene  
a) Watson    b) Johansen    c) Pasteur
2. Name the person who coined the term Cell  
a) Antoon Leuwenhoek    b) Robert Koch    c) Robert Hooke
3. In chromosomes, the material transferring heredity is a  
a) DNA    b) RNA    c) Histone
4. What is movement of cell against concentration gradient called  
a) Active transport    b) Osmosis    c) Diffusion
5. The toxicity of which of the heavy metals leads to liver cirrhosis?  
a) Copper    b) Zinc    c) Lead
6. Pollination is best defined as . . .  
a) Transfer of pollen from another to stigma    b) Germination of pollen grains    c) Growth of pollen tube in ovule.
7. Cell or tissue death within a living body is called as :  
a) Necrosis    b) Nephrosis    c) Neoplasia
8. Which fungus is known as 'Green Mold' ?  
a) Yeast    b) Penicillium    c) Mucor
9. The enzyme trypsin is found in  
a) Pancreatic juice    b) Gastric juice    c) Saliva
10. Which of the following is the universal recipient blood group?  
a) AB    b) O    c) A
11. The number of autosomes in man is  
a) 43    b) 11 pairs    c) 21 pairs
12. ABO blood group was discovered by  
a) Louis Pasteur    b) Landsteiner    c) Gregor Mendel
13. Branch of Science to Study breast cancer is  
a) Oncology    b) Mamography    c) Mycology
14. Structure of DNA and protein found in the nucleus of eukaryotic cells  
a) Nucleic acid    b) Nucleosomes    c) Chromatin
15. Niche is a place where a particular organism  
a) required environment for living    b) reproduce    c) Migrate
16. Autoclave works on the principle of  
a) Thermometer    b) Barometer    c) Pressure cooker
17. Mycology is the study of  
a) Parasites    b) Fungi    c) Algae
18. Covid-19 is a virus belonging to the family  
a) Coronaviridae    b) Adenoviridae    c) Myxoviridae
19. WHO headquarters is located in  
a) Geneva    b) Los Angeles    c) Pittsburgh
20. Air filter found in Laminar air flow chamber.  
a) HEPA    b) Membrane filters    c) Si
21. Inoculation loop is made of heat resistant  
a) Nichrome    b) Platinum    c) Copper
22. Queen of Antibiotics  
a) Penicillin    b) Streptomycin    c) Kanamycin
23. Water is an----- solvent  
a) Polar    b) Non-polar    c) Universal
24. Viruses are defined as intracellular  
a) Parasites    b) Entities    c) Pathogens
25. A genetically engineered microorganism used successfully in bioremediation of oil spills is a species of  
a) Trichoderma    b) Pseudomonas    c) Bacillus

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**Online Bridge Course (2020-2021)-Assessment**

S.No	Name Of the Students	Score(25 Marks)
1.	Amalita Stephanie.P	19
2.	Atchaya.B	19
3.	Bharathi.P	22
4.	Bhuvaneswari.K	20
5.	Dhanalakshmi.P	15
6.	Gangasri.M	23
7.	Hamsaveni.S	22
8.	Janani.N	21
9.	Jothi Meenakshi.P	10
10.	Kanimozhi.S	24
11.	Kaviyasri. S	21
12.	Keerthana Jothi.S	18
13.	Krishnaveni AR	9
14.	Madhumathi.T	19
15.	K.Mahalakshmi	20
16.	Malika Parveen.A	21
17.	Marikkannu.P	24
18.	Mirdula.P	20
19.	Nandhini.S	21
20.	Nasrin Banu. A	20
21.	Nithiyashree.M	20
22.	Pandipriya.S	12
23.	Poornima.K	22
24.	Priyadharshini.KR	25
25.	Rathna. M	20
26.	Nandhini.S	20
27.	Sharuga.S	21
28.	Sneha,S	17
29.	Sundari,S	12
30.	Sripriya.S	25
31.	Tarani Sri.N	16
32.	Theetchitha.R	22
33.	Vetha.,VS	23

  
Head of the Department

  
Principal

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**Department of Microbiology & CLT**  
**Online Bridge Course (2020-2021)-Feedback**

Name of the Student: *MS. P. Bhavathi*

S.No	Feedback	Satisfactory	Good	Very Good	Excellent	Remarks /Suggestion
1.	Orientation about college curriculum and exam pattern			✓		
2.	Whether Basics of Laboratory techniques are taught during the bridge course				✓	
3.	Are you aware of Bio-safety, handling and maintenance of instruments			✓		
4.	Whether you can communicate in English after bridge course			✓		
5.	Are you able to corelate the basic knowledge with your major subject				✓	
6.	Overall rating			✓		

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**Online Bridge Course (2020-2021)-Feedback**

Name of the Student: *V.S. Vetha*

S.No	Feedback	Satisfactory	Good	Very Good	Excellent	Remarks /Suggestion
1.	Orientation about college curriculum and exam pattern			✓		
2.	Whether Basics of Laboratory techniques are taught during the bridge course				✓	
3.	Are you aware of Bio-safety, handling and maintenance of instruments				✓	
4.	Whether you can communicate in English after bridge course			✓		
5.	Are you able to corelate the basic knowledge with your major subject				✓	
6.	Overall rating				✓	