

J.J. College of Arts and Science (Autonomous)
Sivapuram Post, Pudukkottai

Department of Microbiology

Bridge Course Syllabus
(For the Students admitted from 2022 onwards)

Day	Topic	Syllabus
Day 1	Fundamentals of Microbiology	Definition, Basic concepts of Microorganisms, Scope, Milestones and sterilization techniques
Day 2	Bacteriology	Definition, Characteristics, taxonomy and importance
Day 3	Mycology	Definition, Characteristics, taxonomy and importance
Day 4	Virology	Definition, Characteristics, taxonomy and importance
Day 5	Molecular Biology	Definition, Nucleic acids and its structure.


Head of the Department

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Principal

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Bridge Course (2022-2023)

R.No	Name														
		11/08/22	12/08/22	15/08/22	19/08/22	22/08/22	23/08/22	24/08/22							
U22MB 1001	Abinaya. A.	P	P	P	P	P	P	P							
1002	Arafa. A	P	P	P	P	P	P	P							
1003	Arunthathi. S	P	P	P	P	P	P	P							
1004	Bhuvaneswari. K	P	P	P	P	P	P	P							
1005	Bhuvaneswari. T.	P	P	P	P	P	P	P							
1006	Bretny sandhya. M.	P	P	P	P	P	P	P							
1007	Deepa. N.	P	P	P	P	P	P	P							
1008	Dharshini. K.	P	P	P	P	P	P	P							
1009	Durga Devi. S.	P	P	P	P	P	P	P							
1010	Harini. P.N.	P	P	P	P	P	P	P							
1011	Harscha Vardini. R.	P	P	P	P	P	P	P							
1012	Irfana Barwin. N.	P	P	P	P	P	P	P							
1013	Jaya Sri. P.	P	P	P	P	P	P	P							
1014	Jeevitha. K.	A	P	A	A	P	P	P							
1015	Jeevitha. P.	A	P	P	P	P	P	P							
1016	Jesibel chrietina. C.	P	P	P	P	P	P	P							
1017	Kaleeswari. S.	A	A	A	P	P	P	P							
1018	Keerthana. R.	P	P	P	P	P	P	P							
1019	Keerthana. S.	P	P	P	P	P	P	P							
1020	Kiruthika. T.	P	P	P	P	P	P	P							
1021	Luxsara. K.	P	P	P	P	P	P	P							
1022	Malaymathi. P.	P	P	P	P	P	A	A							
1023	Mogavarthini. M.	P	P	P	P	P	P	P							
1024	Najila. A.	P	P	P	P	P	P	P							
1025	Nandhini. P.	P	P	P	A	P	P	P							
1026	Nandhini. S.	P	P	P	P	P	P	P							
1027	Raviyathul Pathaviya. S.	P	P	P	P	P	P	P							
1028	Rithika. B.	A	A	A	P	A	P	P							
1029	Rohini. P.	P	P	P	P	P	P	P							
1030	Senbaka. R.	P	P	P	P	P	P	P							
1031	Shafsin Banu. M.	P	P	P	P	P	P	P							
1032	Sornambiga. S.	P	P	P	P	P	P	P							
1033	Sowmiya. M.	P	P	P	P	P	P	P							
1034	Sri Akalya. S.	P	P	P	P	P	P	P							
1035	Stella Mary ThilagaVathi.T	P	P	P	P	P	P	P							

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Department of Microbiology
Bridge course Pre-test (2022-2025)

Total Marks: 30

Date: 12.08.2022

Short Answer:

30 X 1 = 30

1. Define Microbiology.
2. How to prepare 3% calcium chloride solution?
3. Our college NAAC grade-----
4. What is sterilization?
5. Which test used to detect COVID-19?
6. SARS stands for -----
7. Write any two bacterial diseases.
8. What is disinfection?
9. Explain CFU.
10. Expand r-DNA?
11. is the causative agent of polio.
12. Comment zoonotic disease.
13. Infer Industrial Microbiology.
14. Define phytology.
15. Nosocomial infection is a -----
16. ----- Semesters are there for Bachelor's course.
17. Our college is affiliated under----- university
18. Our university follows ----- type of educational system
19. Define: Pathogen.
20. U1R2MBCC1- abbreviation
21. *Bacille calmette* - Guerin, is a vaccine for
22. Write any two respiratory diseases.
23. Bacteria having clusters of flagella at both poles of cells are known as?
24. Define prokaryotes.
25. The term vaccine was coined by.....

Match the Following:

Inventor	Contribution
Antony van Leeuwenhoek	- Established germ theory of fermentation
Louis Pasteur	- Discovered vaccination for smallpox
Robert Koch	- First to observe and accurately record microorganisms
Edward Jenner	- Differential staining of Bacteria (Gram-Stain) and tuberculosis
Hans Christian Gram	- Discovered causative agents of anthrax


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Date: 24.08.2023

Bridge course Post test -2022

MARMS: 30 Marks

One mark questions

(20 X 1 = 20)

1. What is Aseptic?
2. Bacteria Cell Wall made up of
3. is the decolorizing agent in Gram staining technique.
4. Give any example for endospore forming Bacteria.....
5. Motility test otherwise called.....
6. Name the Locomotory organ of the Bacteria.....
7. Who proposed five kingdom concepts?
8. Define Autotroph.
9. The PH of the nutrient agar.....
10. Which media used for fungal isolation?
11. Study of fungi.....
12. Who discovered blood grouping?
13. Which disease is diagnosed by Widal test?
14. Expand ELISA.....
15. Write any one blood borne infection.
16. PH is the.....
17. How to prepare 4% sodium Chloride solution?
18. If you take 2.8g of Nutrient agar in 100ml of distilled water. How many grams will you take for 250ml of distilled water?
19. James Watson and Francis Crick proposed.....
20. What is GMO?

Two marks questions:

(5 X 2 = 10)

1. Define Fermentation.
2. Infer antibody.
3. Explain Gene.
4. Comment Inoculation.
5. Write about Plating techniques.


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Department of Microbiology
Bridge Course: 2022 - 2023

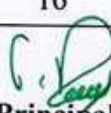
S.No	Register Number	Name	Pre-test 12.08.2022	Post test 24.08.2022
			Marks-30	Marks-30
1.	U22MB1001	Abinaya. A	17	19
2.	U22MB1002	Arafa. A	27	25
3.	U22MB1003	Arunthathi. S	24	25
4.	U22MB1004	Bhuvaneshwari. K	24	26
5.	U22MB1005	Bhuvaneshwari.T	25	29
6.	U22MB1006	Bretny Sandhiya. M	20	19
7.	U22MB1007	Deepa. N	24	22
8.	U22MB1008	Dharshini. K	26	23
9.	U22MB1009	Durga Devi. S	22	21
10.	U22MB1010	Harini. P.N	29	30
11.	U22MB1011	Harsha Varthini. R	25	18
12.	U22MB1012	Irfana Barvin. N	28	23
13.	U22MB1013	Jayasri. P	15	23
14.	U22MB1014	Jeevitha. K	24	22
15.	U22MB1015	Jeevitha. P	28	19
16.	U22MB1016	Jesibel Christina. C	22	17
17.	U22MB1017	Kaleeswari. S	AAA	19
18.	U22MB1018	Keerthana. R	25	10
19.	U22MB1019	Keerthana. S	20	17
20.	U22MB1020	Kiruthika. T	23	25
21.	U22MB1021	Luxsera. K	24	19
22.	U22MB1022	Malarmathi. P	26	AAA
23.	U22MB1023	Megavathini. M	21	17
24.	U22MB1024	Najila. A	22	23
25.	U22MB1025	Nandhini. P	22	24
26.	U22MB1026	Nandhini. S	27	24
27.	U22MB1027	Raviyathul Pathaviya. S	28	27
28.	U22MB1028	Rithika. B	AAA	24



29.	U22MB1029	Rohini. P	28	19
30.	U22MB1030	Senbaka. R	20	21
31.	U22MB1031	Shafrin Banu. M	22	23
32.	U22MB1032	Sornambiga. S	29	23
33.	U22MB1033	Sowmiya. M	22	23
34.	U22MB1034	Sri Akalya. S	23	13
35.	U22MB1035	Stella Mary Thilagavathi. T	25	26
36.	U22MB1036	Subashini. M	15	21
37.	U22MB1037	Suruthika. K	21	19
38.	U22MB1038	Thavfeekha. A	22	19
39.	U22MB1039	Varsha. R	13	21
40.	U22MB1040	Vellaiammal. S	22	23
41.	U22MB2001	Abdul Ravuk. R	13	17
42.	U22MB2002	Aswath. B	16	16
43.	U22MB2003	Ghanesha Murthy. T	13	15
44.	U22MB2004	Gokulan. S	16	12
45.	U22MB2005	Gowtham. S	15	18
46.	U22MB2006	Gunasekaran. R	12	09
47.	U22MB2007	Jagadeeshwaran. S	06	05
48.	U22MB2008	John Britto. S	15	13
49.	U22MB2009	Kaviyarasan. R	07	17
50.	U22MB2010	Mathan. V	13	12
51.	U22MB2011	Mohamed Basil. N	23	20
52.	U22MB2012	Mohamed Biyas. M	15	16
53.	U22MB2013	Parveenraj. B	05	06
54.	U22MB2014	Pravin. S	10	13
55.	U22MB2015	Premkumar. S	20	26
56.	U22MB2016	Samikkannu. G	15	13
57.	U22MB2017	Saranpandi. M	09	07
58.	U22MB2018	Tamilmaran. V	07	06
59.	U22MB2019	Yuvaraj Kumar. C	08	16


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