

RI DEVARAJ URS ACADEMY OF HIGHER EDUCATION AND RESEARCH
POSTGRADUATE EXAMINATION MAY 2022
Summative Assessment

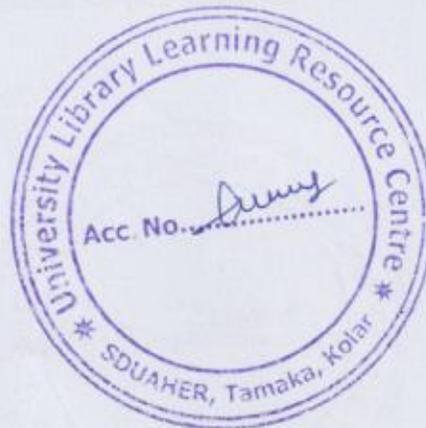
Time : 180 Minutes

MaxMarks : 100 Marks

Date : 09-05-2022

MICROBIOLOGY – PAPER – I QP CODE:- P3051
Your answer should be specific to the question asked
Draw neat labeled diagrams wherever necessary

1. Bacterial spores
2. Alcohol as a disinfectant
3. Matrix Assisted Laser Desorption Ionization-Time of Flight
4. Nucleic acid based methods for bacterial identification and characterization
5. Beta lactamases
6. Define and describe different types of agglutination reaction and their uses
7. Describe the biological effects of complement and its deficiency diseases
8. Describe Natural Killer cells and its role in immunity
9. Describe organ specific auto immune diseases and their diagnosis.
10. Classify and describe immunodeficiency diseases



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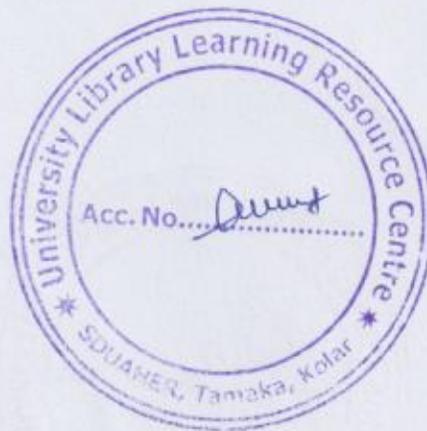
MaxMarks : 100 Marks

Date : 11-05-2022

MICROBIOLOGY – PAPER – II QP CODE:- P3052

*Your answer should be specific to the question asked
Draw neat labeled diagrams wherever necessary*

1. Donovanosis
2. Shigellosis
3. Actinomycosis : Pathogenesis and laboratory diagnosis
4. Botulism
5. Drug resistant Tuberculosis : Mechanism and detection methods
6. Lyme's disease
7. Vibrio cholerae O139
8. Bartonella bacilliformis
9. Coagulase negative Staphylococcus
10. Streptococcus pneumoniae: Drug resistance and Vaccines



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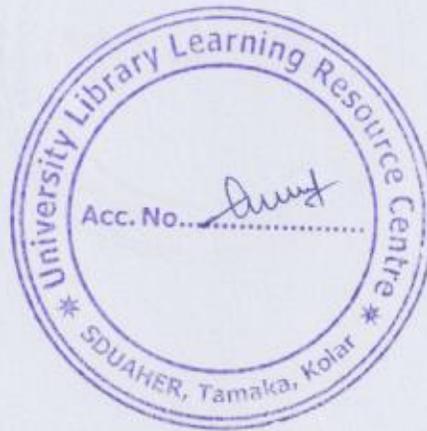
MaxMarks : 100 Marks

Date : 13-05-2022

MICROBIOLOGY – PAPER – III QP CODE:- P3053

*Your answer should be specific to the question asked
Draw neat labeled diagrams wherever necessary*

1. Ocular viral infections
2. Cytomegalovirus : Pathogenesis and laboratory diagnosis
3. Zika virus
4. Viruses causing Encephalitis. Laboratory diagnosis of infection by any one of these viruses
5. Post kala azar dermal leishmaniasis
6. Clonorchis sinensis
7. Dracunculus medinensis : life cycle, pathogenesis and laboratory diagnosis
8. Genital parasitic infections
9. Sporotrichosis
10. Dematiaceous fungi



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POSTGRADUATE EXAMINATION MAY 2022
MICROBIOLOGY – PAPER – IV QP CODE:- P3054

Time : 180 Minutes

Max Marks : 100 Marks

Date : 16-05-2022

*Your answer should be specific to the question asked
Draw neat labeled diagrams wherever necessary*

1. HEPA filters
2. New Delhi Metallobetalactamases (NDM-1)
3. Automated methods to detect Mycobacterium tuberculosis
4. Air Sampling Methods
5. CAUTI and its prevention
6. HIV vaccines
7. Meningitis
8. Normal microbial flora
9. Discuss Real time PCR. List its various applications
10. Newer methods of Sterilization

