

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH
(ADEEMED TO BE UNIVERSITY)

Post Graduate Degree Examination -November 2022

Time : 180 Minutes

MaxMarks : 100 Marks

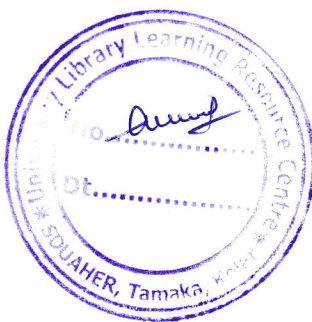
Date : 21-11-2022

M.D Microbiology Paper- I QP Code: P3051

Your answer should be specific to the question asked

Draw neat labeled diagrams wherever necessary

1. Microbial virulence factor
2. Physical methods of sterilization
3. Dendrogram
4. Bacterial genetics
5. Extended Spectrum Beta lactamases
6. Describe IgG
7. Describe Complement in health and diseases and methods of detection of complement
8. Describe Immune response in detail
9. Describe Type 1 Hypersensitivity reaction
10. Discuss Immunotherapy of cancer



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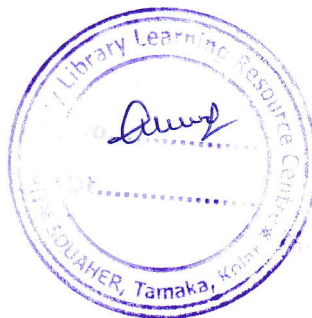
MaxMarks : 100 Marks

Date : 23-11-2022

Microbiology Paper II – QP Code – P3052

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

1. Methicillin Resistant Staphylococcus aureus and its implications
2. Pneumococcal vaccines
3. Laboratory diagnosis of gonorrhoea with a note on Penicillinase Producing Neisseria gonorrhoea
4. Pathogenesis and laboratory diagnosis of Listeria monocytogenes
5. Actinomycosis : Pathogenesis and laboratory diagnosis
6. Clostridium difficile : Pathogenesis and laboratory diagnosis
7. Typhoid vaccines
8. Mycobacteria other than tuberculosis (MOTT)
9. Weil's disease
10. Indian tick typhus



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Microbiology Paper III – 2022 QP – Code -P3053
Your answer should be specific to the question asked
Draw neat labeled diagrams wherever necessary

1. Genetic modification of viruses
2. Varicella-zoster virus : Pathogenesis and laboratory diagnosis
3. Opportunistic infections in AIDS patients
4. Slow viral diseases
5. Toxoplasmosis : Pathogenesis and laboratory diagnosis
6. Fasciolopsis buski : life cycle, pathogenesis and laboratory diagnosis
7. Larval migrans : pathogenesis and laboratory diagnosis
8. Sparganosis
9. Eumycotic mycetoma
10. Blastomycoses



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M.D Microbiology Paper- IV QP Code: P3054

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

1. Biomedical waste management
2. Bacterial monitoring of Air in Hospitals.
3. Define Bioterrorism. Enumerate the possible agents of biological warfare.
Discuss the role of microbiology laboratory in an event
4. Prions
5. Laboratory safety programme
6. Opportunistic parasites
7. Role of Computers in Microbiology
8. Recombinant DNA technology
9. Methods of genotyping of bacterial strains
10. Malarial vaccines

