

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

B.Sc. Allied Health Sciences Third Year Semester-VI

March 2022 Examination

B.Sc. Medical Laboratory Technology

Time: 2.30 Hrs.

Paper-II

[Max. Marks: 80]

Subject: Applied aspects of Microbiology

Q.P Code: J6070

*Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.*

LONG ESSAY

2 X 10 = 20 Marks

1. List the organisms causing diarrhea. Describe the laboratory diagnosis of cholera
2. List the blood borne infections acquired by the laboratory staff. Discuss the laboratory diagnosis of any one.

SHORT ESSAY (Answer any six)

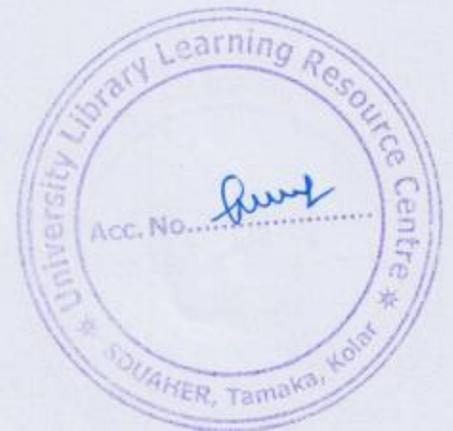
6 X 5 = 30 Marks

3. Culture media – Classification with examples.
4. Antibiotic susceptibility testing
5. Autoclave – Principle, articles sterilized
6. Blood culture
7. Laboratory diagnosis of Malaria
8. ELISA – Principle and applications
9. Urine culture - Sample processing
10. Biomedical Waste Management

SHORT ANSWERS (Answer any ten)

10 X 3 = 30 Marks

11. Define Transport media with examples
12. Name 3 gaseous disinfectant
13. Mention the articles sterilized by Ethylene oxide (ETO)
14. Name 2 acid fast bacilli.
15. Name 3 motile gram negative bacilli
16. Name any three standard precautions
17. Name 3 airborne pathogens.
18. Name 3 anaerobic culture methods.
19. Name 3 organisms causing skin and soft tissue infections
20. Name 3 laboratory acquired infections.
21. Draw a neat labelled diagram of C.diphtheriae
22. Draw a labelled diagram of ova of Taenia



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B.Sc. Medical Laboratory Technology

Time: 2.30 Hrs.

Paper-III

[Max. Marks: 80]

Subject: Applied aspects of Pathology

Q.P Code: J6080

*Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.*

LONG ESSAY

2 X 10 = 20 Marks

1. Describe different modes of sample collections, transport, preservation and processing of body fluids.
2. Define Hypersensitivity reactions. Describe different types of hypersensitivity reactions with examples

SHORT ESSAY (Answer any six)

6 X 5 = 30 Marks

3. Discuss CSF cytology in Inflammatory and Benign diseases of the central nervous system.
4. Define biomedical waste management. Discuss their safe management of it.
5. Describe collection, preparation and staining of sputum for cytology.
6. Describe Coomb's test.
7. Preservation of fluids in cytology
8. Define benzidine test. Describe the procedure.
9. Describe microscopy of urinary sediment. Write a note on urinary casts
10. Describe pathogenesis of pernicious anemia.

SHORT ANSWERS (Answer any ten)

10 X 3 = 30 Marks

11. What are crystals? Name the conditions associated with urinary crystals
12. Mention three acute transfusion reactions.
13. Mention three antigen antibody mediated diseases.
14. What is Autoimmune disease.
15. List three differences between transudate and exudates
16. Mention three renal function tests.
17. Name 3 different modes of urine sample collections
18. What is arthus reactions.
19. Name the parts of Antigen.
20. Name the antibodies present in thyroiditis.
21. Name the method for pregnancy test.
22. Name 3 colour coding for biomedical waste management.

