2011-12

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

(A DEEMED TO BE UNIVERSITY)

B.Sc. Allied Health Sciences Second Year (Semester-III)

Examination May-2013

B.Sc. Medical Laboratory Technology (M.L.T)

Time : 2.30 Hrs. **Max. Marks : 80]**

MICROBIOLOGY-III

Q.P Code : AHS-109

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

LONG ESSAY **2 X 10 = 20 Marks**

1. Discuss in detail the classification of streptococci, and add a note on the laboratory diagnosis of streptococcus pyogenes.
2. Discuss morphology and cutural characteristics of mycobacterium tuberculosis. Add a note on laboratory diagnosis.

SHORT ESSAY (Answer any Six) **6 X 5 = 30 Marks**

3. Gas gangrene.
4. Ziehl neelsen saining.
5. MRSA
6. Naglers reaction.
7. Kirby baeur method
8. Toxigenecity test for corynebacterium diptheriae.
9. Bile solobility test
10. Bacillus cereus.

SHORT ANSWERS (Answer any Ten) **10 X 3 = 30 Marks**

11. BCG
12. Gram's staining
13. Gonorrhoea
14. Quelling reaction
15. Morphology of clostridium tetani
16. Group 'B' streptococci
17. Mordant used in gram's staining and its use.
18. Meningitis
19. Clostridium difficle
20. Give three examples of gram negative bacilli
21. Selective media used to cultivate staphylococcus.
22. Toxigenicity tests of coryne bacterium diphtheriae

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PATHOLOGY - III

Q.P Code : AHS- 107

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

LONG ESSAY **2 X 10 = 20 Marks**

1. Enumerate the various haemoglobin estimation methods. Describe the sahli's method.
2. Describe the principle and method of leishman stain for peripheral blood smear.

SHORT ESSAY (Answer any Six) **6 X 5 = 30 Marks**

3. Haematocrit.
4. Sickling test.
5. Morphology of normal leukocytes.
6. Iron deficiency anemia.
7. Red cell indices.
8. Differential leukocyte count.
9. Bleeding time.
10. Anticoagulants.

SHORT ANSWERS (Answer any Ten) **10 X 3 = 30 Marks**

11. Reticulocyte count.
12. Vacutainers.
13. Clotting time.
14. Buffy coat preparation and its application.
15. Platelet counting fluid.
16. Morphology of eosinophil.
17. Mention red cell membrane disorders.
18. Perl's stain
19. Le cell.
20. MCV
21. Prothrombin time.
22. Red blood cell count.

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BIOCHEMISTRY - III

Q.P Code : AHS-105

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

LONG ESSAY **2 X 10 = 20 Marks**

1. Name Ketone bodies, Explain their metabolism, add a note on ketosis.
2. Describe sources requirement, functions, deficiency symptoms of thiamine.

SHORT ESSAY (Answer any Six) **6 X 5 = 30 Marks**

3. Glycogenolysis
4. Enzyme inhibition
5. Abnormal hemoglobin
6. Glycogen storage disease
7. Biochemical function of Tocopherol
8. Enzyme specificity
9. Deficiency disease and symptoms of Vit. C
10. Carnitine shuttle

SHORT ANSWERS (Answer any Ten) **10 X 3 = 30 Marks**

11. Structure of Ig G
12. Michaelismenton constant and its significance
13. Provitamins
14. Pellagra
15. Coenzymes of folic acid, riboflavin
16. Optimum P^H
17. Surface tension
18. Normal constituents of urine
19. GTT
20. Two functions of Vit-K
21. Atherosclerosis
22. Lipoproteins

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