

**SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH**

(A DEEMED TO BE UNIVERSITY)

**B.Sc. Allied Health Sciences Third Year (Semester-V)**

**July/August-2019 Examination**

**B.Sc. Medical Laboratory Technology (MLT)**

**Time : 2.30 Hrs.**

**[Max. Marks : 80]**

**BIOCHEMISTRY**

**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. Give a detailed account of Renal Function Tests and their interpretation.
2. Write the sources, daily requirement biochemical functions of calcium. Mention the normal serum calcium level.

**SHORT ESSAY (Answer any Six)**

**6 X 5 = 30 Marks**

3. Phorphyria.
4. Synovial fluid analysis
5. Hypokalemia
6. Glycogen storage diseases
7. CSF analysis
8. Heme degradation
9. Phenylketonuria
10. Liver function test and its interpretations.

**SHORT ANSWERS (Answer any Ten)**

**10 X 3 = 30 Marks**

11. Biochemical functions of phosphorus.
12. Urinary oxalates
13. Enzymes studies in LFT
14. Hemolytic jaundice
15. Hypokalemia
16. Gout
17. Meth haemoglobin
18. Hypothyroidism
19. FIGLU excretion test
20. Acute pancreatitis
21. TIBC
22. Crigler Najjar syndrome

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**MICROBIOLOGY**

**Q.P Code : AHS-109**

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*Draw neat labelled diagrams wherever necessary.*

**LONG ESSAY**

**2 X 10 = 20 Marks**

1. Name species of Plasmodium causing human infection. Describe the life cycle and laboratory diagnosis of plasmodium falciparum with neat labelled diagrams.
2. Describe the life cycle and laboratory diagnosis of ancylostoma duodenale. Add a note on prophylaxis.

**SHORT ESSAY (Answer any Six)**

**6 X 5 = 30 Marks**

3. Trophozoite and Cyst of Entamoeba histolytica.
4. Concentration techniques of stool.
5. Laboratory diagnosis of Kala-azar.
6. Laboratory diagnosis of Giardia lamblia.
7. Hydatid cyst.
8. Extraintestinal amoebiasis.
9. Morphology of Balantidium coli with neat labelled diagrams.
10. Life cycle of Toxoplasma gondii.

**SHORT ANSWERS (Answer any Ten)**

**10 X 3 = 30 Marks**

11. Leishmanin test.
12. Occult filariasis.
13. Enumerate 3 parasites transmitted through insect bite.
14. Casoni test.
15. Name 3 cestodes.
16. Anchovy sauce pus.
17. Filariform larvae.
18. Neat labelled diagram of egg of Ascaris lumbricoides.
19. Three differences between amoebic and bacillary dysentery.
20. Cyclops.
21. Black water fever.
22. Name three intestinal Nematodes.