MEDICAL LAB TECHNICIAN
II YEAR
PAPER I
BIOCHEMISTRY-II
MODEL QUESTION PAPER

TIME: 3 Hours **Max. Marks: 50**

SECTION-A

Note: (i) answer all the Questions
(ii) EachQuestioncarries2marks **10X2=20**

1. What is balanced diet
2. Write the clinical application of chromatography and electrophoresis
3. Write the principle of Flame photometry
4. Expand SGOT and SGPT
5. What is quality assurance? Explain internal quality control
6. Mention normal values of K &Na in ICF &ECF
7. What are the Thyroid Hormone assayed by RIA
8. Give the Normal values of Serum Bilirubin & Total Proteins
9. Define enzymes .Mention the unit of measurement.
10 what is clearance? Name two clearance tests

SECTION-B

Note: (i) Answer any five Questions
(ii)Each Question carries 6 marks **5X6=30**

11Writeaboutsteps present in urea cycle. Mention its clinical significance

12. Define enzyme. Give its classification

13.DeterminationofSerum total Bilirubin

14. Describe the construction, operation, application of a Flame photometer with an neat schematic diagram

15. How do you determine serum amylase? Give the principle and normal values

16.Discussaboutautomationinabiochemicallaboratory

17what are lipoproteins? Explain how to determine HDL cholesterol

18.Explainseparationofplantpigmentsby paper chromatography

MEDICAL LAB TECHNICIAN
II YEAR
PAPER II
MICROBIOLOGY
MODEL QUESTION PAPER

TIME: 3 Hours **Max. Marks:50**

SECTION-A

Note: (i) AnswerallthеQuestions
(ii) EachQuestioncarries2marks **10X2=20**

1. Expand ELISA&RIA.
2. Name causative Organism for Cholera and Diphtheria.
3. Define Antigen and Antibody.
4. Give the importance of Vaccines.
5. Name water born diseases
6. Give example for gram positive & Gram negative bacteria.
7. Define Immunity
8. write the species of Plasmodium
9. Morphology of Gonococci
10. Give examples of fungal media

SECTION-B

Note: (i) answer any five Questions
(ii)Each Question carries 6 marks **5X6=30**

11. Write the morphology and lab diagnosis of E.histolytica
12. Antibioticsensitivity Test
13. Give an account on antigen antibody reactions 14explain about WIDAL test.
15. How do u collect specimens for fungal diseases.
16. Write the morphology and pathohgenesis and laboratory diagnosis of Dengue fever
17. Write about the collection and processing of faecal samples.
18. Write morphology, cultural characteristics and lab diagnosis of Mycobacterium tuberculosis

MEDICAL LAB TECHNICIAN
II YEAR
PAPER III
PATHOLOGY
MODEL QUESTION PAPER

TIME:3 Hours **Max. Marks:50**

SECTION-A

Note: (i)AnsweralltheQuestions
(ii) EachQuestioncarries2marks **10X2=20**

1. Mention specimen collection sites for Bone Marrow Examination.
2. Expand PAS and APTT.
3. Write the principle for sickle cell preparation.
4. Expand CT&BT.
5. Define Biopsy.
6. Write the names of various Microtomes.
7. what is cross matching
8. write the principle of L.E cell test
9. What is decalcification and clearing
10. Write the composition of Leishman stain.

SECTION-B

Note: (i) AnsweranyfiveQuestions
(ii)EachQuestioncarries 6 marks **5X6=30**

11. Explain automatic tissue processing.
12. Give blood grouping procedure and its importance.
13. Identification of Malarial parasite
14. Writetheprincipleandclinicalsignificationofsicklecellpreparation
15. Explain about coulter counter
16. Explain about the Direct & indirect comb's test. Give clinical importance
17. Write the principle, procedure &material required for L.E. Celltest
18. D.L.C preparation