

Directorate of Health Medical Services and Medical Education
Gujarat State
25th Laboratory and X-ray technicians training course Examination-2013
Paper: Biochemistry

Time : 2 Hours

Total Marks: 50

Q.1 Write short notes (Any three)

Marks : 5x3=15

29 a) Automation in clinical Biochemistry Laboratory. 5

18 b) Electrophoresis.

c) Sequence of sample drawing in vacutainer, Steps of sample collection, & sample transportation.

c) Laboratory safety

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MARL

Q.2. Describe enzyme inhibitions with examples.

Marks: 1x10=10

Q.3 Explain in short (Any Four)

Marks: 10

25 a) Paper chromatography.

6 b) Principle of colorimetry.

c) Metabolic Acidosis.

10 d) H.I Chart. 6

e) Sample rejection criteria.

Q.4. Write meaning of the following terms & explain in few lines. (Any five)

Marks: 10

a) Phlebotomy b) Hemoglobinuria c) Glomerular filtration rate d) Lyophilized sample
e) Coefficient variation f) Standard Deviation.

Q.5. Answer in few lines (Any five)

Marks: 5

a) Unconjugated bilirubin can not appear in the urine.

b) HDL cholesterol is good for health.

c) Sucrose is a non reducing sugar.

d) Albumin gives full saturation test positive.

e) Glycated hemoglobin is estimated in diabetic patients.

f) Inulin is used for GFR estimation.