

Directorate of Health Medical Services and Medical Education
Gujarat State
26th Laboratory and X-ray technicians training course examination-2014
Paper: Biochemistry

Time: 2 Hours

Total Marks: 50

Q-1: Write short notes (any three)

Marks: 15

- (a) Renal Function Tests (RFT).
- (b) What laboratory Investigations can be done in patients of Diabetes Mellitus?
- (c) Laboratory Safety.
- (d) Quality Control in laboratory.

Q-2: Lipid profile and its interpretation.

Marks: 10

OR

Different types of jaundice and their laboratory investigations.

Q-3: Explain in short (any four)

Marks: 10

- (a) Principle of colorimetry
- (b) Principle of electrophoresis
- (c) Importance of glycated hemoglobin (HBA_{1C}).
- (d) Clinical importance of A/G ratio.
- (e) Biochemical markers of Myocardial Infarction (MI).

Q-4: Write meaning of the following terms & explain in few lines (any five)

Marks: 10

- (a) %CV (b) ISE (c) Accuracy (d) SD (e) ABG analysis (f) NABL

Q-5: Answer in few lines (any five)

Marks: 05

- (a) Write normal values of plasma proteins.
- (b) Order of draw in blood sample collection.
- (c) High level of ammonia in blood is toxic to brain, why?
- (d) For blood sugar estimation which type of vacutainer tube is used?
- (e) HDL is good cholesterol, why?
- (f) Causes of metabolic acidosis.