

Rajasthan Public Service Commission, Ajmer

Syllabus for Screening Test for the post of Sr. Demonstrator-Bio-Chemistry for Medical & Health Department

Minimum Qualification :- M.B.B.S. / M.Sc. (Med.Bio-Chemistry) for non-medical persons.

1. Definition, classification, importance of Carbohydrates, Lipids, Protein.
2. Enzymes :- Definitions, nomenclature, factors effecting Enzymes activity, Diagnostic Importance, Isoenzymes.
3. Vitamins :- Definition, Sources, Daily requirement, functions and deficiency diseases.
4. Biological Oxidation, Components of Respiratory Chain, Oxidative Phosphorylation.
5. Metabolism :- Digestion, absorption and pathways of metabolisms of carbohydrates, Lipids, Protein and Nucleoprotein.
6. Nutrition :- Elements of Nutrition
BMR
Daily requirement of normal person and in diseased states.
Nutritional disorders like marasmus, Kwashiorkor.
7. Minerals :- Metabolism of Ca, Iron, Iodine.
8. Regulation of PH of blood.
9. Inborn errors of metabolism.

Note :- Pattern of Question Paper

1. Objective type paper
2. Maximum Marks :100
3. Number of Questions :100
4. Duration of Paper : Two Hours
5. All questions carry equal marks.
6. There will be Negative marking.