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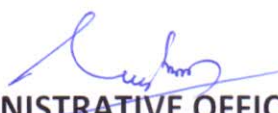
**SYLLABUS FOR WRITTEN EXAM FOR THE SELECTION TO THE POST OF
SCIENTIFIC ASSISTANT (BIOCHEMISTRY)-VOP**

Part A:

Quality control and its implications, errors, sensitivity and specificity in diagnostic assays, pH, common buffers, preparation for assays, cell culture, molarity and normality calculation, percentage solutions, conversion to molarity and dilutions, principles of biosafety in laboratories, sterilization and disinfection methods, decontamination and biomedical waste management, automation in laboratories.

Part B:

Spectrophotometry and turbidity assays for enzymes and other proteins, diagnostic enzyme assays using chromogenic substrates, methods and clinical significance of blood count, differential WBC count, blood coagulation factors and assays, assays for serum immunoglobulin, serum electrophoresis, assays and clinical significance of blood gases, electrolytes and acid-base balance.


ADMINISTRATIVE OFFICER GR.I (I/C)
21/12/23