

S.No.M22053

Course code: 26819204

VINAYAKA MISSION'S RESEARCH FOUNDATION, SALEM
(Deemed to be University)
M.Sc(RENAL DIALYSIS TECHNOLOGY) DEGREE EXAMINATION –
December 2021
Second Semester
BIOPHYSICS / BIOMEDICAL INSTRUMENTATION

Three Hours

Maximum: 100 marks

I. Write an Long essay on: **(3 x 20 = 60)**

1. Give a detailed account of buffer solutions and its application.
2. Discuss the various renal disorders. Add a note on the respective clinical diagnostic procedures.
3. Discuss passive transducer using capacitive, resistive and inductive elements.

II. Write short essay on : **(4 x 10 = 40)**

4. What is bioelectric potential? Explain briefly any six types of biopotential sources.
5. Membrane transport process.
6. Synaptic integration.
7. Strain guage and its effect.
