

VINAYAKA MISSION'S RESEARCH FOUNDATION, SALEM
M.Sc(RENAL DIALYSIS TECHNOLOGY) DEGREE EXAMINATION –
January 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 types of electrodes used to measure biopotentials.
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. Uses of a glass electrode
6. Piezoelectric effect
7. Piezoelectric effect

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