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FACULTY OF BASIC AND APPLIED SCIENCES
DEPARTMENT OF CHEMICAL AND PHYSICAL SCIENCES
SECOND SEMESTER EXAMINATION 2016/2017 SESSION

COURSE TITLE: BIOPHYSICS

COURSE CODE: BCH 410

DURATION: 2 hours

COURSE UNIT: 2

HOD's SIGNATURE

Instruction: Answer Three (3) Questions

1. a. Using an illustrative example, describe the four levels of structure in biological molecules.
b. Explain conformational transitions within the context of Biophysics.
2. a. Discuss in general terms ligand binding and intermolecular binding.
b. Give reasons for biophysicists' continual involvement in carrying out ligand binding studies.
3. a. Environmental Biophysics is a significant aspect of Biophysics. Discuss.
b. Discuss the importance of studying Environmental Bioengineering
4. a. What is Electrophysiology?
b. Discuss the importance of electrogenic and electroreceptive cells to electric fish such as eels and rays.
5. Write a note on Molecular Machines