

15/16/0066

OLABISI ONABANJO UNIVERSITY
DEPARTMENT OF BIOCHEMISTRY
REMO CAMPUS, IKENNE
2017/2018 RAIN SEMESTER EXAMINATIONS

COURSE CODE: BCH 306

TIME ALLOWED: 1 Hour

COURSE TITLE: BIOMEMBRANE

DATE: 16TH JULY, 2018

INSTRUCTION: Answer 2 questions. Question 3 is compulsory.

1.
 - (i) What are the components of a cell membrane?
 - (ii) The two main categories of plasma proteins are?
 - (iii) Give reason why a membrane containing unsaturated phospholipids stay fluid at lower temperatures than a membrane made of saturated ones.
 - (iv) List the functions of cell membrane.
2.
 - (i) What is Osmolality?
 - (ii) List and explain terms used to describe Osmolarity?
 - (ii) What will happen to a red blood cell when placed in hypotonic and hypertonic solution respectively?
3.
 - (i) What do you understand by the term facilitated diffusion
 - (ii) In a tabular form list five differences between mediated and non-mediated transport system.
 - (iii) Explain and also with the aid of a diagram the primary active transport of Na⁺ K⁺ pump.