OLABISI ONABANJO UNIVERSITY

DEPARTMENT OF BIOCHEMISTRY

2012/2013 RAIN SEMESTER EXAMINATION

COURSE CODE: BCH 314

TIME ALLOWED: 2Hours

COURSE TITLE: NUTRITIONAL BIOCHEMISTRY DATE: 15TH MAY, 2014

INSTRUCTION: ANSWER FOUR (4) QUESTIONS ONLY.

- d. (a) What is nutrient requirement?
 - (b) How can you estimate nutrient requirement?
- 2. (a) Describe the synthesis of a named "Vitamin"
 - (b) What is the biochemical function and the deficiency of the vitamin mentioned in 2a.
- .3. (a) If the energy cost of pregnancy is assumed to be 80,000 Kcal.
 - i. What will be the average energy required per day for the pregnancy?
 - ii. If glucose is the only source of energy, how much grams of glucose will she require to sustain her?
 - Write short notes on:
- BMI
- BMR
- Energy Value
- Nutritional Disorders (iv)

With a named example, write a comprehensive note on an essential mineral, highlighting its functions, absorption, metabolism and deficiency

the energy costof prespancy = \$0000kcal

Colling = 12x6+1×12+16x6 Erzega &

1809 Gyluase x 2418-89=4 (4320 g of 186)