

CHUKA



UNIVERSITY

**UNIVERSITY EXAMINATION
RESIT/SUPPLEMENTARY / SPECIAL EXAMINATIONS
EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF SCIENCE IN
BIOCHEMISTRY**

BMET 221: PATHOPHYSIOLOGY

STREAMS: BSc. BMET

TIME: 2 HOURS

DAY/DATE: WEDNESDAY 11/08/2021

8.30 A.M - 10.30 A.M.

INSTRUCTIONS:

Answer question one and any other two questions

QUESTION ONE (30 MARKS)

- Describe hyperplasia as a cellular adaptive mechanism. (4 marks)
- Differentiate between benign and malignant tumors. (4 marks)
- Describe the manifestation of caseous necrosis in tissues. (6 marks)
- Describe the pathophysiology of edema. (6 marks)
- Describe the two general types of disorders associated with of target cell insensitivity to hormones. (4 marks)
- Describe the pathophysiology of folate deficiency Anemia. (6 marks)

QUESTION TWO (20 MARKS)

- Describe the clinical manifestations of the different types of aneurysms. (10 marks)
- Describe the characteristics of the various types of emboli based on their occurrence. (10 marks)

QUESTION TWO (20 MARKS)

- Describe the pathophysiology of Type 1A diabetes mellitus. (10 marks)
- Describe the mechanisms through which obesity contributes to the development of insulin resistance. (10 marks)

QUESTION FOUR (20 MARKS)

a. Describe cachexia as a clinical manifestation of cancer. (10 marks)

b. Describe the different forms of chemotherapy as a treatment procedure for cancer.

(10 marks)

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