

TECHNICAL UNIVERSITY OF MOMBASA

FACULTY OF APPLIED AND HEALTH SCIENCES

DEPARTMENT OF PURE & APPLIED SCIENCES

UNIVERSITY EXAMINATION FOR:

BTIMB

ABT4403 : THERAPEUTIC PROTEINS

END OF SEMESTER EXAMINATION

SERIES: APRIL 2016

TIME: 2 HOURS

DATE: Pick Date May 2016

Instructions to Candidates

You should have the following for this examination Answer Booklet, examination pass and student ID This paper consists of **FIVE** questions. Attempt question ONE (Compulsory) and any other TWO questions. **Do not write on the question paper.**

Question ONE

a. Io	lentify the amino acid and position of disulfide bridges in insulin	(5 marks)		
b. Li	st five structural domains and state their function in tPA	(5 marks)		
c. Li	st five advantages of BVES	(5 marks)		
d. D	(5marks)			
e. Differentiate between the following;				
i.	Inhibin and activin	(5 marks)		
ii.	Physiological and pharmacological dosage of GnRH	(5 marks)		

Question TWO

Describe the following;

a.	IFN-α	(10 marks)
b.	IFN-γ	(10 marks)

Question THREE

Outline the:			
a. production of follitropin Alfa	(10 marks)		
b. control of HGH production	(10 marks)		
Question FOUR			
Describe four debriding agents	(20 marks)		
Question FIVE			
Explain the production of recombinant urate oxidase	(20 marks)		