



THE MOMBASA POLYTECHNIC UNIVERSITY COLLEGE

Faculty of Business & Social Studies

DEPARTMENT OF LIBERAL STUDIES, COMMUNITY DEVELOPMENT & COUNSELING

DIPLOMA IN COMMUNITY DEVELOPMENT COUNSELLING

(DCDC A09)

VECTOR, DISEASE AND EPIDEMIOLOGY

END SUPPLEMENTARY/SPECIAL EXAMS

SERIES: APRIL/MAY 2010.

TIME: 3 HOURS

INSTRUCTIONS TO CANDIDATES

Answer question **ONE** and any other **TWO** questions.

Q.1	(a)	Briefly explain the stages followed in carrying out an epidemiology				
		investigation of a disease.	(16 marks)			
	(b)	Discuss the THREE (3) main types of analytical studies.	(9 marks)			
	(c)	Define the following terminologies as used in epidemiology.				
		(i) Infectivity				
		(ii) Virulence				
		(iii) Pathogenicity				
		(iv) Determinant				
		(v) Clinical infection	(5 marks)			
Q.2	(a)	Describe the measures you would employ to prevent and control				
		Falciparum malaria in Coast Province.	(12 marks)			
	(b)	Define:				
		(i) Incidence of disease				
		(ii) Prevalence of disease				
		And compare the two terms.	(8 marks)			
Q.3	(a)	A hypothetical example of MOH morbidity figures are given below.				
		Malaria 27				
		Respiratory disease 25				
		Skin disease 9				

	Dyser	ntery	4	
	Tube	rculosis	4	
	Cholera		3	
	Typho	bid	10	
	Accid	ents	18	
	Use a	(6 marks)		
(b)	Briefl			
	Cite c		(10 marks)	
(c)	Defin			
	(i) Intrinsic determinants			(2 marks)
	(ii)	Extrinsic determinants.		(2 marks)
(a)	Defin			
	(i)	Communication diseases.		(2 marks)
	(ii)	Zoonotic diseases.		(2 marks)
(b)	Write	(8 marks)		
(c)	(i)	List FOUR species of plasmodium	m.	(2 marks)
	(ii)	Describe the life cycle of one spe	cies mentioned above.	(6 marks)

Q.4