

Question number	Answer	Notes	Marks
1 (a) (i)	kills/remove <u>bacteria</u> / kill/remove <u>fungi</u> / treat <u>bacteria</u> / <u>fungi</u> infections / eq;	Ignore kill pathogens / microbes  Ignore fight bacteria / fungi	1
(ii)	penicillin + methicillin penicillin + mirabilicide methicillin + mirabilicide;	Ignore MRSA	max 1
(b) (i)	1. r <u>emove</u> / kill / reduce bacteria/pathogens; 2. r <u>emove</u> / kill / reduce infection / disease / maggots not infected / eq;	Ignore germs  Ignore clean	max 1
(ii)	only digest dead tissue / only eat dead tissue / do not burrow into <u>live</u> flesh / eq;		1
(c)	protease / lipase / amylase / named digestive enzyme;		1
(d)	1. whi <u>te</u> blood cell; 2. ph <u>agocyte</u> ; 3. in <u>st</u> / engulf / eat; 4. d <u>igest</u> / breakdown / enzymes; 5. <u>mphocyte</u> ; 6. antib <u>ody</u> / antitoxin; 7. antige	phagocytosis = 2	max 4
(e)	longer to work / expensive / eq;		1
(f)	1. <u>variation</u> / some <u>resistant</u> / some not <u>resistant</u> ; 2. <u>mu tation</u> / <u>mutates</u> / <u>mutated</u> ; 3. <u>survive(s)</u> / <u>survival</u> / <u>survived</u> / not killed / eq; 4. r <u>eproduce</u> / multiply / breed / eq; 5. pass on gene(s) / alleles / eq;	Ignore immune	Max 4
			Total 14 marks