

Q1.

Question number	Answer	Mark
(i)	B ionising radiation (1) A is incorrect because gamma rays are not considered as particles in this context C and D are incorrect: the gamma rays are ionising, not non-ionising	(1) AO1.1

Q2.

Question Number	Answer	Acceptable answers	Mark
(a)	C - kill microbes in the food		(1)

Q3.

Question number	Answer	Additional guidance	Mark
	Any two from smoke alarm (1) food irradiation (1) sterilising (1) detecting leaks/cracks (1) gauging thicknesses (1) in medicine diagnostic (1) in medicine therapeutic (1) dating (archaeological samples) (1)	named named	(2)