Question number	Answer	Notes	Marks
1	nucleus from body cell / nucleus from adult cell / nucleus from adult / eq; egg / ovum; remove nucleus (from egg) / enucleate (from egg); nucleus into (empty) egg cell; electricity; mitosis; embryo; uterus / womb; surrogate (mother);		Max 5
		Total	5

Question number	Answer	Notes	Marks
2	1. nucleus from (adult) sheep put into empty egg cell / enucleated egg cell / eq; 2. electricity; 3. mitosis / cell division; 4. embryo; 5. uterus / womb; 6. surrogate;	Mp1 ignore DNA / gene / plasmid	max 5

Total 5 marks

Question number	Answer	Notes	Marks
3 (a)	1. select high milk yield cow/mother/cattle/ones/ male on basis of mother's or daughters milk yield / eq; 2. breed / reproduce / mate / eq; 3. use offspring with high milk yield; 4. repeat process / many generations / eq;	Allow two cows with high milk yield	3
(b) (i)	uterus / womb;		1
(ii)	1. identical / no variation / all have same characteristic / eq; 2. faster process / quicker process / eq; 3. ore produced; 4. no need for mating / no need for two parents / no need to keep bull / no need to keep female / eq;	more that are identical = 2 ignore yield ignore cost	3
(c)	genetically; identical;	same DNA = 2	2
(d)	mitosis;		1

(Total for Question = 10 marks)