

Question 13 (8 marks)

Many products are designed to have a limited 'lifespan' – that is, they are designed to be replaced rather than repaired.

- (a) Give reasons why designers develop new products with a limited 'lifespan'. 2

- So the buyer will buy their new product once their current product is obsolete or life span is dead.
- To increase the need of new products from the same company.

- (b) Explain the effects on society and the environment of designing products with a limited lifespan. 6

- products with limited lifespan (cradle to grave) are disposed of after use creating larger waste & pollution for the environment
- Expensive for society as they need to buy new products once their current ones are obsolete or life span is dead.
- Creates opportunity to experience emerging technology - product products become obsolete creating a demand for new products with more/better features.
- Challenges designers to create better products for society & environment.