MARKING SCHEME
AGRICULTURE AND NUTRITION

1. State two components of agriculture and nutrition. (2 mks)
a. Agriculture
b. Home science/ nutrition

2. What is Soil pollution? (2 mks) is the contamination of soil with harmful substances.

3. The harmful substances in the soil are known as pollutants or contaminants.(1mk)

4. Mention six causes of Soil Pollution in Farming.(6 mks)

a. Excessive use of artificial fertilizers.
- These fertilizers introduce pollutants such as Nitrogen compounds and heavy metals into the soil which accumulate in the soil to toxic levels and become harmful to crops and soil living organisms.

b. Excessive use of agricultural chemicals (agrochemicals) such as herbicides and pesticides.
- These chemicals become pollutants when they get into the soil. They accumulate into the soil and become toxic to soil living organisms.

c. Throwing plastic wastes in the garden.
- Plastic wastes are not broken down by soil living organisms. They contaminate the soil and interfere with the growing crops or reduces agricultural space.

d. Throwing Chemical containers.
- Chemical leftovers from these containers get into the soil and become pollutants. The pollutants accumulate to toxic levels and become harmful to the soil living organisms.

e. Surface run off carrying contaminated water
- Surface run-off that contains any contaminants deposits them to the soil when passing over.

f. Industrial wastes
- Waste from industries have dangerous chemicals and heavy metals if not disposed off well ends up in the soil. The contaminants get into the soil and affect soil micro-organisms.

5. List four effects of soil pollution. (4mks)