

Section - 4

Ans 1

Composting → Composting is the

natural process of rotting or decomposition of organic matter by micro-organisms under controlled conditions. Raw organic materials such as crop residues, animal wastes, food garbage.

Some municipal wastage and suitable industries wastes enhance their suitable for application to the soil as a fertilizer source after undergone composting.

Ⓐ the various thermal conversion technology

One conversion technology categories is thermal conversion, using heat with or without oxygen, to turn biomass into energy like liquid fuels and chemicals feed stocks included.

are: pyrolysis gasification and incineration.

Thermal Conversion technology \Rightarrow the

thermal technology processing of solid waste both are volume reduction and energy recovery thermal processing is the conversion of solid wastes into gaseous, liquid and solid. Incineration can be defined as the thermal processing of solid fuels by chemicals ensuring that all or reach all part of the waste

Carbonization \Rightarrow during the carbonization

most of the volatile component of the wood are the eliminated this process is also called, dry wood distillation carbon accumulation mainly.