Ans 1) The calonific value of a fuel netous to the total heat energy neleased when a specific amount of it undergoes complete combustion. It is measured in kJ/kg on kJ/mol and is an essential parameter for evaluating fuel efficiency.

Factors affecting calonific value:

Chemical Makeup: Higher canbon and hydrogen

content lead to greater energy output.

Moisture content: Excess water lowers usable

energy as it absorbs heat during evaporation.

Ash content: Non - combustible material reduces the

ellective energy yield.

Volatility: Fuels that vapourize easily tend to combust more efficiently.

Physical State: Craseous Juels generally provide better combustion efficiency than solids.

Ans 2) (oking (oal: A type of coal used primarily in power plants and cement manufacturing , as it does not form strong coke

Caking cool: A type of coal used primarily in bower plants and when burned, it does not soften or bower plants and when burned, it does not soften or bower plants and when burned, it does not soften or bower plants and when burned, it does not soften or bower plants and when burned, it does not soften or bower plants and when burned, it does not soften or bower plants and when burned, it does not soften or bower plants and when burned, it does not soften or bower plants and when burned, it does not soften or bower plants and when burned, it does not soften or bower plants and when burned, it does not soften or bower plants and when burned, it does not soften or bower plants and when burned, it does not soften or bower plants.