**SECTION B: WAREHOUSE MANAGEMENT 40 MARKS**

**Background:**

Sistema’s warehouse stores two types of hazardous products on their premises. The first product is an explosive. Mishandling, incorrect storage, and exposure to oxidising agents makes the material susceptible to mass explosion. The second product is a toxic powder. It comes packed in sealed plastic bags and are stored in a wooden crate. Tears/punctures to or mishandling of the plastic bags can cause the powder to be dispersed in the workplace. Inhalation of the powder can cause respiratory and other allergies.

In general, organisations use a five-step process to develop a hazard management plan for their facility, as given below.

*Five-Step Process for Hazard Planning*

* 1. *Identification*
  2. *Risk Assessment*
  3. *Controls - Use and Storage*
  4. *Emergency Preparedness*
  5. *Monitor & Review*

1. Discuss how the five-step process would be applied to develop a hazard management plan for Sistema’s facility and develop a hazard management plan for Sistema’s warehouse facility. Include a drawing to illustrate your recommended layout for the facility. [1200 words]