

FAQs

1. List two merits and demerits of green building.

Merits

- Efficient technologies
- Easier maintenance

De-merits

- Initial cost is high
- Availability of materials

2. Explain briefly about one of the sustainable material.

WOOL BRICK

- Obtained by adding wool and a natural polymer found in seaweed to the clay of the brick,
- 37% more strength than burnt bricks
- Resistant for cold and wet climate

3. What are the environmental consideration for a material should be?

Environmental performance of the processes used by manufacturers and suppliers generally;

- Use of recycled materials;
- Re-usability of materials and items; and
- Recyclability of materials and items.

4. What can building industry do to achieve sustainable construction?

- i. Re-use existing building assets

- ii. Aim for Lean Construction
- iii. Minimise energy in construction
- iv. Minimise energy in use
- v. Do not pollute
- vi. Conserve water sources

5. What is the hierarchy to be adopted for waste management for sustainable design?

A hierarchy of waste management should be adopted:

- i. Reduce – design out waste
- ii. Re-use – look for opportunities to re-use materials on site
- iii. Landfill – also reduces transport movements.
- iv. Recycle – look for opportunities for others to use your waste
- v. Recover (energy)
- vi. Dispose