

## **FAQs**

**Name the various peoples participation stages in community participation?**

Participation  
Social Learning  
Self reliance  
Capacity building  
Empowerment Sustainability

**What is community participation and explain the significance of it?**

Public participation is essential part of human growth which is development of self confidence, pride, initiative, responsibility and co-operation.

**List down the environmental aspects of concern in housing?**

### **BUFFER ZONES**

- Series of planters arranged between two functional zones.
- These zones might extend up to 200 or 400m in width along the boundary of the site.
- They may be present along the roads, dividing the houses and paths.
- Prevents noise pollution from ongoing traffic and acts as screen to filter the air pollution.
- Buffer zones to be planted along the direction of wind to avoid noise and air pollution.

**Discuss briefly the housing technology forms?**

### **CONVENTIONAL TECHNOLOGY**

Prevailing techniques  
Manual operations

Slow and inefficient

### **INDUSTRIALIZED TECHNOLOGY**

Efficiency improved by industrialized operations.

Highly capital intensive.

Labour is much less.

Machines, power, cement and steel are required.

### **APPROPRIATE TECHNOLOGY**

Available resource use.

Benefit to society.

Indigenous materials.

Efficiency, productivity, quality and speed.

## **Explain two new materials of construction?**

### **FLY ASH**

- Fine residue obtained from thermal power stations.
- Used efficiently as partial replacement for cement.
- Precast channel units can be used as an efficient structural system for spans above 3m.
- No fear of corrosion of steel in reinforced or pre-stressed concrete.
- Can be mixed with other ingredients of concrete.

### **FERRO CEMENT**

- Versatile construction material.
- Unique properties of strength and serviceability.
- Made with closely knit wire mesh and mild steel reinforcing bars.
- Welded mesh is substitute for reinforcement bars.