Grade 8 Pre-Technical Studies Questions and Answers on Materials for Production

1. What is a composite material?

- A composite material is formed by combining two or more materials of different characteristics to enhance their properties.

2. Name three composite materials commonly found in the locality.

- Common local composite materials include mud, chipboard, and concrete.

3. What are the main components of concrete?

- Concrete is composed of cement, sand, water, and coarse aggregates.

4. Why is fiberglass used in boat construction?

- Fiberglass is used because it is lightweight and resistant to corrosion, making it ideal for marine environments.

5. What is the primary use of manufactured boards in construction?

- Manufactured boards are used in construction for making furniture, constructing ceilings, and other interior finishes due to their durability and ease of use.

6. How is ceramic material prepared for use in construction?

- Ceramic materials are mixed, shaped, and then baked at high temperatures to harden them before they are used in construction.

7. What is porcelain and how is it different from other ceramics?