

**PENANG SANGAM HIGH SCHOOL**

**YEAR: 11**

**APPLIED TECHNOLOGY**

**WORKSHEET NUMBER: 2**

**MULTIPLE CHOICE**

1. In engineering material, timber is classified under
  - a. Metal
  - b. Ceramic
  - c. Polymer
  - d. Composite
2. Which of the following materials is used to insulate and conduct electricity?
  - a. Metals
  - b. Metalloids
  - c. Non- metals
  - d. Non- ferrous metal
3. Soft spongy center of the tree is called
  - a. Heartwood
  - b. Sapwood
  - c. Bark
  - d. Pith
4. The class of trees which has broad and wide leaves is classified as
  - a. Conifers.
  - b. Angiosperms.
  - c. Gymnosperms.
  - d. Non-pored woods.
5. Dead wood is the timber which is obtained from dead standing trees contains dead wood. Dead wood is indicated by the
  - a. Separations in wood between the annual rings.
  - b. Cracks which extends from bark towards the sapwood.
  - c. Light weight and reddish color.
  - d. Size of the tree.

6. Name the pipe fitting installed between two lengths of pipe or tube allowing a change of direction usually 90 degrees or 45 degrees?
  - a. Tee
  - b. Cap
  - c. Plug
  - d. Elbow
7. A plumber is a person who repairs
  - a. Electrical system
  - b. Damaged watches
  - c. Piping systems
  - d. Broken tiles
8. A type of fitting that covers the end of a pipe?
  - a. Plug
  - b. Cap
  - c. Coupling
  - d. Male adaptor

### **SHORT ANSWER QUESTIONS**

1. Non-ferrous metals are metals which have no iron and exist in the earth as ores. They are referred to as pure metals.
  - (i) Name two non-ferrous metals.
  - (ii) State the uses of the two metals named in (i) above.
2. Plywood is the name given to sheets constructed by gluing together three or more layers of veneers.
  - (i) State two uses of plywood.
3. Give two example of a ceramic material?
4. Define the term **star shakes**?