

PENANG SANGAM HIGH SCHOOL

YEAR: 12

APPLIED TECHNOLOGY

WORKSHEET NUMBER: 2

MULTIPLE CHOICE QUESTIONS

1. In engineering, stress, tension, compression and shear are classified as the
 - A. Thermal properties of the materials.
 - B. Physical properties of the materials.
 - C. Chemical properties of the materials.
 - D. Mechanical properties of the materials.
2. The ability of an atom to chemically combine with other elements is
 - A. Valence.
 - B. Ionic bond.
 - C. Covalent bond.
 - D. Electronegativity.
3. Which of the following materials is used to fix tiles to the required surface?
 - A. Grout.
 - B. Sealer.
 - C. Mortar
 - D. Cement
4. The material that is commonly used as an electrical wire is
 - A. Tin.
 - B. Copper.
 - C. Aluminum.
 - D. Stainless steel.
5. The best material to use for cold water pipes is
 - A. PVC
 - B. Aluminum.
 - C. Iron.
 - D. Copper.
6. Which of the following is a non-ferrous metal?
 - A. Steel.
 - B. Copper.
 - C. Cast iron.
 - D. Wrought iron.

SHORT ANSWER QUESTIONS

1. Materials can be classified as elements, compounds or mixtures on the basis of chemical composition and internal structure.

a) Differentiate between elements, compounds and mixtures.

2. What are ferrous and non-ferrous metals?

3. Explain the two characteristics of metals and two characteristics of non- metals.

4. What is sintered metals?

5. Explain the terms in atomic structure.

a) Atom: _____

b) Valence: _____

6. In toilet/bathroom wall tiling process, name any two tools you going to use?

7. In tile lying process, after applying the grout, explain the next two steps.

8. Name two materials you going to use while installing ceiling fan?

9. What is the first rule to remember under basic house wiring rule?

10. Name the four main components of septic tank.
