Assignment 7
The due date for submitting this assignment has passed. At this point, you have not submitted this assignment.

1. Match the cells found in hardboard with their functions. 1 point
   - (A) phenol
   - (B) support only
   - (C) formal
   - (D) formaldehyde only
   - (E) support and construction

   - A
   - B
   - C
   - D
   - E

   No, the answer is incorrect.

   Accepted Answer:
   A
   B
   C
   D
   E

2. In the microstructure of wood, which of the following are valid with respect to the chemical composition? 1 point
   - (A) cellulose
   - (B) hemicellulose
   - (C) lignin
   - (D) water

   - A
   - B
   - C
   - D

   No, the answer is incorrect.

   Accepted Answer:
   A
   C

3. Due to the orthotropic nature of wood, six independent constants are required to describe the elastic behavior of wood. 1 point
   - (A) shear
   - (B) tensile

   No, the answer is incorrect.

   Grade: 3
   Accepted Answer:
   None

4. Paraffin at all stages of wood, the cell wall material has the same specific gravity of _______. 1 point
   - (A) 0.5
   - (B) 1.3
   - (C) 1.5
   - (D) 2.5

   No, the answer is incorrect.

   Grade: 5
   Accepted Answer:
   C

5. With reduction of moisture content in wood, which of the following are true? 1 point
   - (A) maximum compressive stress does not change much as the free water is removed
   - (B) maximum compressive stress decreases rapidly as the free water is removed
   - (C) fibres deformation in moisture content, the strength begins to fall
   - (D) fibres deformation in moisture content, the strength begins to rise

   No, the answer is incorrect.

   Grade: 1
   Accepted Answer:
   B

6. Is the backbone on the framework element occurring in most polymers? 1 point
   - (A) carbide
   - (B) carbon
   - (C) copolymer
   - (D) chlorides

   No, the answer is incorrect.

   Grade: 7
   Accepted Answer:
   B

7. It is also called plasticiser. It is used as a softening agent for glass due to its thermoplasticity. 1 point
   - (A) polyethylene
   - (B) polypropylene
   - (C) polystyrene
   - (D) polyethylene terephthalate

   No, the answer is incorrect.

   Grade: 1
   Accepted Answer:
   B

8. Of the two major types of thermoplastic polymers, the one which can undergo large strain and recover back to zero strain on release of load is _______. 1 point
   - (A) rubber
   - (B) non-linear elastic
   - (C) rigid plastic
   - (D) non linear

   No, the answer is incorrect.

   Grade: 8
   Accepted Answer:
   B

9. Polymers are used with ______ to improve the robustness of exposure to ultraviolet radiation. 1 point
   - (A) photoinitiators
   - (B) photoinitiators
   - (C) antioxidants
   - (D) water

   No, the answer is incorrect.

   Grade: 9
   Accepted Answer:
   C

10. An elastomeric seal is bridges gaps supports _______. 1 point
    - (A) platelayer
    - (B) polyurethane
    - (C) silicone
    - (D) chitosan rubber

    No, the answer is incorrect.

    Grade: 10
    Accepted Answer:
    C