

**DELHI PUBLIC SCHOOL, JAMMU**  
**SESSION (2024-2025)**  
**ASSIGNMENT**

**Class – VII**

**Subject – Science**

**Topic: Heat and its effects**

- 1.** Handles of cooking utensils should be made of materials that are \_\_\_\_\_. **(1)**
  - a) conductors
  - b) insulators
  - c) radiators
  - d) reflectors
  
- 2.** In the following question, a statement of assertion (A) is followed by a statement of reason (R). Mark the correct choice as: **(1)**
  - a)** Both assertion (A) and reason (R) are true and reason (R) is the correct explanation of assertion (A).
  - b)** Both assertion (A) and reason (R) are true but reason (R) is not the correct explanation of assertion (A).
  - c)** Assertion (A) is true but reason (R) is false.
  - d)** Assertion (A) is false but reason (R) is true.

**Assertion (A):** Metals are good conductors of heat.  
**Reason (R) :** All metals are solids.
  
- 3.** What happens to the particles of a substance when it is heated? **(1)**
  - a) They slow down
  - b) They vibrate more
  - c) They become smaller
  - d) They stop moving.
  
- 4.** Define conduction, convection, and radiation, and provide an example of each. **(2)**
- 5.** How does wearing light-coloured clothes help in keeping the body cool during hot weather? **(2)**
- 6.** Explain with the help of diagram the phenomenon of formation of sea breeze. **(3)**