

UNIT 17, ENERGY, SECOND TERMINAL COURSE

CHOOSE THE CORRECT ANSWER:

1. The energy possessed by body is store in the form of:-
A. Kinetic Energy.
B. Heat Energy.
C. Sound Energy.
D. Mass Energy.
2. Which one is the main source of HEAT ENERGY?
A. Fire.
B. Moon.
C. Water.
D. Sun.
3. Which one type of energy stored in Food.
A. Chemical.
B. Sound.
C. Heat.
D. Gravitational.
4. Electric Current Based on the Motion of:
A. Proton.
B. Electron.
C. Neutron.
D. Nucleus.
5. Greater speed of sound in:
A. Solid.
B. Liquid.
C. Gas.
D. Vaccum.

6. Splitting of heavy nucleus into small nuclei is called:

- A. Fusion Reaction.
- B. Fission Reaction.**
- C. State Reaction.
- D. Reverse Reaction.

7. The Kinetic Energy of the body depend upon the:

- A. Volume.
- B. Size.
- C. Speed.**
- D. Mass.

8. Which one improves the quality of life:

- A. Energy.**
- B. Work.
- C. Speed.
- D. Time.

9. Gravitational Potential Energy of body is based on:

- A. Mass.**
- B. Speed.
- C. Length.
- D. Motion.

10. How many main forms of energy?

- A. Ten.
- B. Six.
- C. Seven.
- D. Eight.**

SHORT ANSWERS:

QUESTION NO 1: What is fission reaction?

ANSWER:

The Reaction in which a heavy nucleus splits into two small nuclei parts and release a large amount of energy.

QUESTION NO 2: What is fusion reaction?

ANSWER:

The reaction in which two small nuclei combine and form a heavy nucleus.

QUESTION NO 3: Give two examples to show the conversion of energy?

ANSWER:

(A) Fission Reaction.

Nuclear Energy \longrightarrow Heat Energy

(B) Chemical Reaction.

Chemical Energy \longrightarrow Electrical Energy

Chemical Energy \longrightarrow Food Energy

QUESTION NO 4: Battery ((A)) costs 80 cents, light to torch 30 minutes. Battery ((B)) costs 4.00\$, light to torch 5 hours. Which battery produces more chemical energy?

ANSWER:

The Battery B has more Chemical Energy and also B is more economical.