

**Q.1 Multiple Choice Questions****2**

- Major electricity produced today is by  
a. burning natural gas      b. coal combustion      c. Hydrogen fuel      d. Solar panels
- Which of the following is used in solar cooker to harvest the solar energy?  
a. Solar panels      b. Silicon cell      c. Mirrors      d. Glass lid

**Q.2 Find the odd one out****2**

- Thermal power plant, CNG power plant, Biogas plant, Hydroelectric plant
- Wind, Water, Charcoal, Sunlight

**Q.3 State True or False****2**

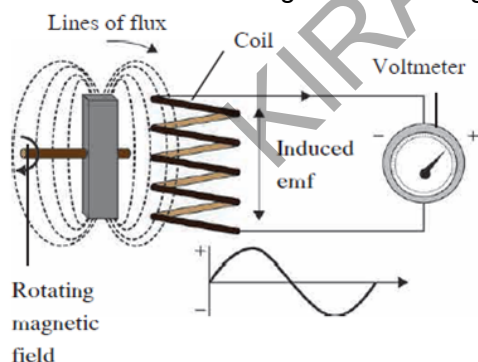
- In power stations based on natural gas, fission of nuclei of atom takes place to produce electrical energy.
- Combustion of fossil fuels lead to environmental degradation.

**Q.4 Give scientific reasons (Any Two)****4**

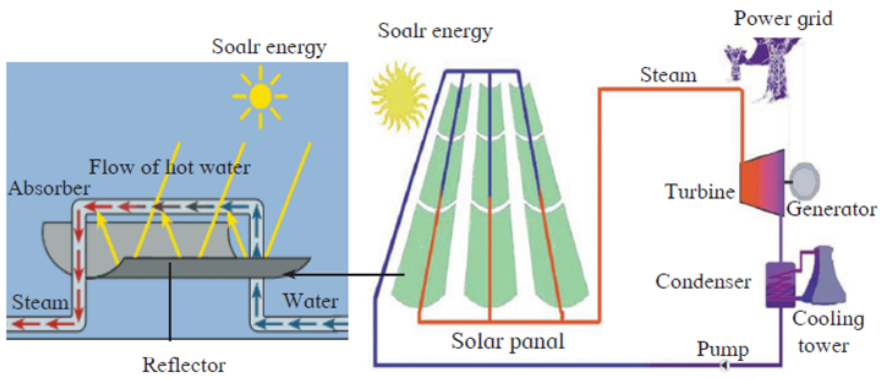
- The construction of turbine is different for different types of power plants.
- Generator consists of a magnet to generate electric current.
- Burning of natural gas results in less pollution than coal combustion.

**Q.5 Write Short Notes (Any Two)****4**

- Write short note on Non- renewable sources of energy.
- Write short note on Non-conventional sources of energy.
- Write short note on the given below diagram.

**Q.6 Write answers based on given diagram/ figure****3**

1



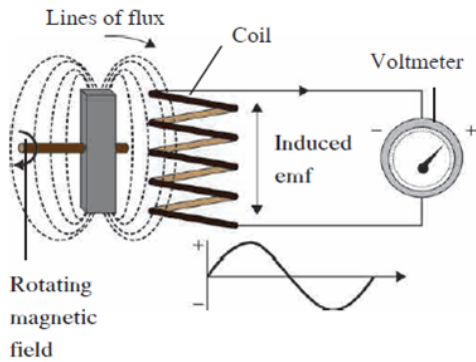
**Based on the diagram above, answer the following questions :**

- Why are reflectors used in the power plant?
- How does the rotation of turbine create electrical energy?
- Which power plant is shown in the figure?

**Q.7 Answer the following (Any One)**

**3**

- 1 Explain about the diagram given below.



- 2 Which type / types of power generation involve maximum number of steps of energy conversion ? In which power generation is the number minimum.

YOUR FLIGHT , OUR WINGS .