



( 2 )

4. What is energy dynamics ? Describe various energy flow pathways explaining the flow of energy in an ecosystem.
5. What are biogeochemical cycles ? Describe global biogeochemical cycle of carbon.
6. Describe the causes and consequences of air pollution.
7. What do you know about 'Conservation' ? Differentiate between 'in situ' and 'ex situ' conservation methods.
8. Give two plant names of each category given below with their botanical names, family and the parts of use :
  - (a) Food crops
  - (b) Fodder crops
  - (c) Medicinal plants
  - (d) Vegetable oil yielding plants
  - (e) Timber yielding plants
  - (f) Gums
  - (g) Tannins
  - (h) Dyes

**OR**

( 3 )

Write notes on the following :

- (a) Biosphere Reserves
  - (b) Coral Reefs
  - (c) Cryo Bank
  - (d) Botanical Gardens
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