

- iii. To which class does bat belong? [1]
- iv. Which type of fuel is used in thermal power plant? [1]
- v. Identify the picture and name it. [1]



2. [10]

(a) Give scientific reasons. (Any 2)

- i. Cell division is one of the important properties of cell and organisms. [2]
- ii. Hydroelectric energy, solar energy and wind energy are called renewable energies. Why? [2]
- iii. Flower is structural unit of sexual reproduction in plants. [2]

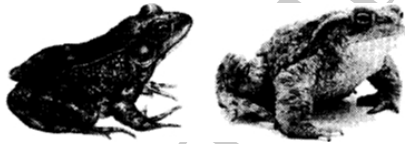
(b) Answer the following questions (Any 3)

- i. Define vestigial organs. Write any two names of vestigial organs in human body. [2]
- ii. Write a short note on sacred groves. [2]
- iii. Despite of various diagnostic tests, a couple could not have a child. In this situation, which remedies will you suggest? [2]
- iv. How is Balanoglossus connecting link between chordates and non-chordates? [2]
- v. What are vitamins? Write two types of vitamins. [2]

3. Answer the following questions (Any 5): [15]

(a) Write the factors affecting environment. [3]

(b) [3]

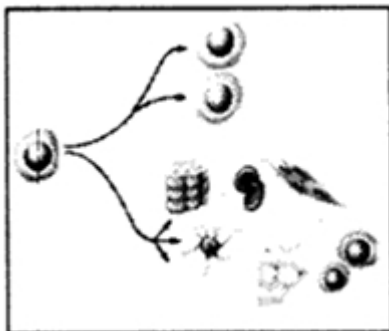


- i. Identify the class of the animals shown in the figure.
- ii. Write two characteristics of that class.

(c) Which fuels are obtained from biomass? [3]

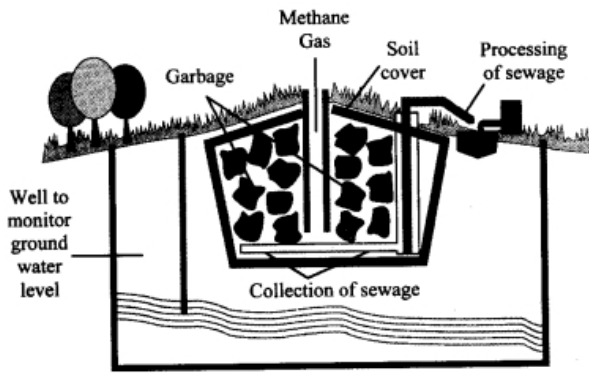
(d) i. Which process is shown in the given diagram? [3]

- ii. What is the importance of this process?
- iii. Which organs can be transplanted by this process?

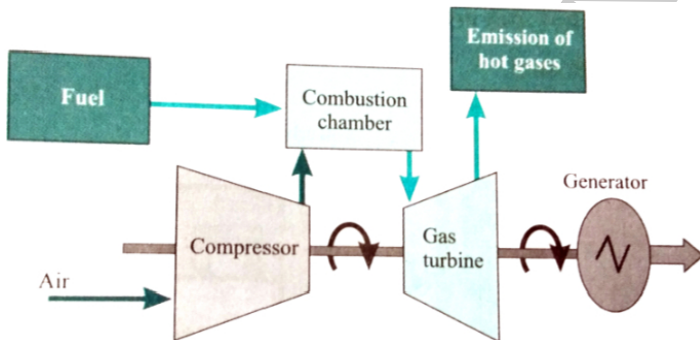


(e) Cockroach, Frog, Sparrow, Star fish, from .these animals which can regenerate its broken body part? [3]

(f) Observe the following figure and answer the questions: [3]



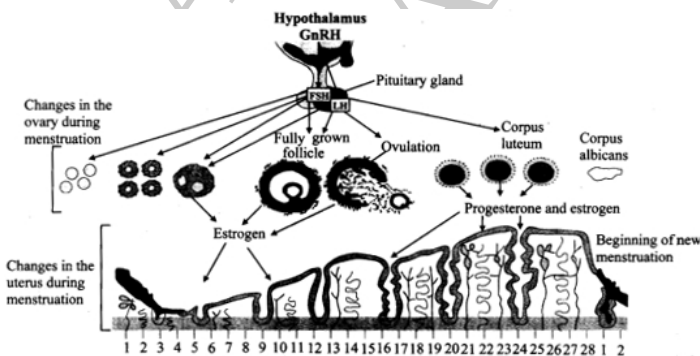
- i. Identify the process shown in the figure.
 - ii. Explain the process in short.
- (g) [3]
- i. Define vestigial organs.
 - ii. Write names of any two vestigial organs in the human body.
 - iii. Write name of those animals in which these vestigial organs are functional.
- (h) Observe the diagram and answer the questions: [3]



- i. Which energy is generated from the power plant?
- ii. State its source.
- iii. Which is more eco-friendly - power generation from coal or power generation from natural gas? Why?

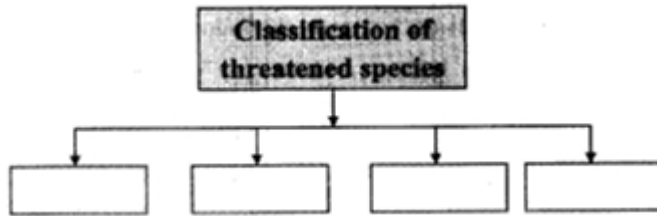
4. Answer any one of the following questions: [5]

- (a) Answer the following questions by observing the diagram of menstrual cycle: [5]



- i. What is the period of menstruation?
 - ii. On which day does ovulation occur during menstrual cycle?
 - iii. In menstrual cycle which reproductive organs undergo changes?
 - iv. Which period is said to be period of regeneration of endometrium?
 - v. Which period is said to be period of secretions of glands in endometrium?
- (b) Answer the following questions based on environmental conservation and biodiversity: [5]

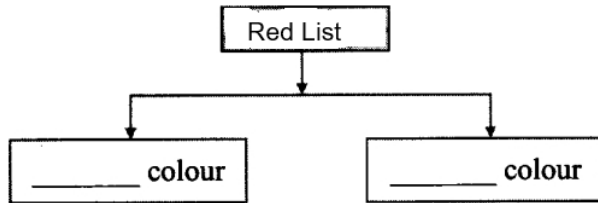
i. Complete the flow chart:



ii. How can biodiversity be conserved? Give any four points.

iii. Complete the flow chart:

Colour of the pages in Red List of Endangered Species



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