

STD :-X Div: ___
ROLL NO. :- ___
DATE :- 12 .02. 2019

N.E. S High School, Bhandup W, Mumbai-78
IV Preliminary Examination
SUB:-Science & Technology(B)
No. of Pages:02

MARKS :- 40
TIME :- 2 hr.

- Q I) A. Fill in the blanks:-** (3)
- _____ was the first record of human like ape found in East Africa.
 - An enzyme _____ obtained from alimentary canal of cattle was being traditionally used earlier for making cheese.
 - Stem cells are present in _____ stage of embryonic development.

QII) Match the column:- (2)

- Column A**
- Coal
 - Uranium

- Column B**
- wind electricity point
 - Thermal plant
 - Nuclear power plant

B) Choose the correct alternatives & rewrite the statement. (5)

- _____ nitrogenous base is not present in DNA.
A) Adenine B) Guanine C) Thymine D) Uracil
- In a flower, _____ is formed when second male gamete unites with two polar nuclei.
A) Embryo B) Endosperm C) Ovary D) Androecium
- Which special cells are present in the body of sponges (porifera)?
A) Collar cells B) Cnidoblasts C) Germ cells D) Ectodermal cells

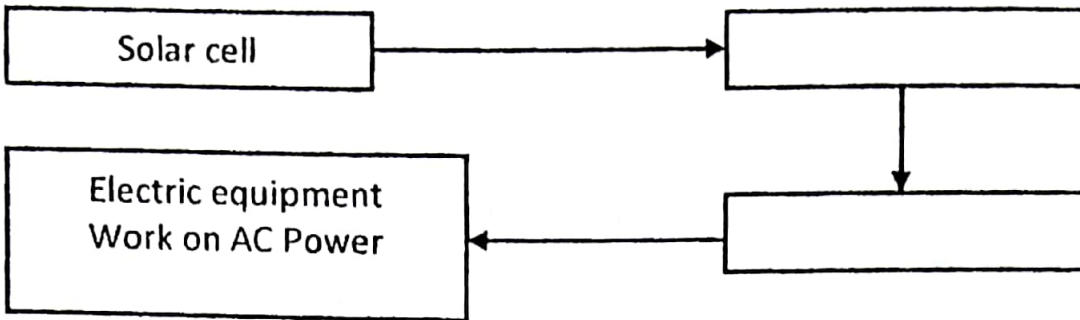
4. Azolla belongs to Kingdom _____
A) Plantae B) Fungi C) Monera D) Protista

5) Which of the following is herbivore?
A) Grasshopper B) Mushroom C) Mango Tree D) Tiger

Q. II Answer any five of the following: (10)

- Explain theory of natural selection.
- Distinguish between asexual reproduction and sexual reproduction.
- Draw neat & labeled diagram of Hydra.
- State objectives of disaster management.
- Give Scientific reasons:our body irritates if it comes in contact with jelly fish.

6. Complete the following :



7. Write the names of biodiversity hot spots.

III. Answer any five of the following (Any 5)

(15)

1. Explain the concept of IVF
2. Which are the reasons for endangering the many species of plants & animals?
3. How the bread and other products produced using baker's yeast are nutritious?
4. Complete the following:

Type	Character	Example
Cyclostomota		
	Gill respiration	
Amphibia		

5. What is meant by green energy? Which energy sources can be called as green energy sources & why?
6. Write short note on Lamarchism.
7. Explain the glycolysis in detail.

QIV. Answer in detail. (any one):

(5)

1. Enlist different phases of disaster management & explain in detail any five phases.
2. Draw Female reproductive system . Explain any three parts of the same.