

N.E.S. High School  
Bhandup(W), Mumbai - 78.  
I Preliminary Examination  
Subject: Science & Technology B  
No of pages: 01

Std : X —  
Date: 21/12/18

Marks : 20  
Time : 1Hr

I A) Answer the following

2M

1. Name the following  
Pioneer of modern genetics
2. Complete the following statements  
Electron transfer chain operates only in the \_\_\_\_\_

B) 1. Odd one out. Write reason.

3M

Egg cell, polar nuclei, pollen tube, antipodals

2. Complete the analogy

Vulnerable species: Lion: : \_\_\_\_\_ Red Panda

3) Group of solar cells: solar Panel: : Group of solar strings: \_\_\_\_\_

II Answer the following

4M

1. Distinguish between mitosis and Meiosis cell division
2. Sketch the labelled diagram of flower with its sexual reproductive organs.

III Answer the following:

1. Gender of child determined by the male partner of couple. Explain with reasons whether this statement is true or false
2. Wind turbines are usually set up on wind shores.
3. How do butterflies contribute to environmental balance?

IV Answer the following:

5M

1. Explain the theory of evolution and mention the proof supporting it.  
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Pg No. 1