

N.E.S. High School  
Bhandup(W), Mumbai - 78.

STD :-X Div:\_\_\_\_  
ROLL NO. :-\_\_\_\_  
DATE :- 10 .01. 2019

II Preliminary Examination  
SUB:-Science and Technology  
No.of Pages:01 Part A

MARKS :- 20  
TIME :- 1 hr

Q I) A) Name the following:- (2)

- i) The reagent that dissolves noble metals.
- ii) The unique ability of carbon to form strong covalent bonds with other C atoms.

B) Match the Columns in the following table. (3)

Sr. No.	Column 1	Column 2	Column 3
1	Far sightedness	Nearby object can be seen clearly	Bifocal lens
2	Presbyopia	Far away object can be seen clearly	Concave lens
3	Near sightedness	Problem of old age	Convex lens

QII) Answer the following: (4)

- 1) What is meant by satellite launch vehicle? Name 2 important satellite launch vehicles of India?
- 2) Write the laws of refraction.

Q III) Answer the following: (6)

1. Explain the terms:

- a) Metallurgy      b) Structural isomerism      c) Partial refraction

2. a) Write the IUPAC name of  $\text{CH}_3\text{-CO-CH}_2\text{-CH}_2$

b) Write the structural formula for –

1- Chlorobutane

c) Draw an electron dot structure of water.

Q. IV Answer the following: (5)

a) Complete the following statement

During the extraction of aluminum.....

- i) Gang ore in the Bauxite ore [ Any 2]
- ii) Anodes are replaced from time to time [ Give reason ]

b. Draw a neat labelled diagram of hydraulic separation.

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