

**TENDER HEART SCHOOL, SECTOR-33 B, CHD**

**Class: X**

**Subject Teacher: Ms. Deepti**

**Subject: Mathematics (Project)**

**Session: 2021-2022**

**Instructions for students**

- Students you are required to prepare a project report on any two topics given below:

Follow the standard format for preparing a project report.

Page 1: Title (Mathematics Project)

Page 2: Acknowledgement

Page 3: Index

Page 4: Topic 1 and 2

Last Page: References/Bibliography

**1. Perform the following activity:**

- (a) Find the area of the drawing room of your house and ask your mother/father whether your measurement is correct or not. Express it in square feet.
- (b) Find the area of your bedroom and express the answer in square feet.
- (c) Now take out the ratio of drawing room area to bedroom area.
- (d) Measure the area of walls of your drawing room (including half wall also), now find the cost of painting them @ 25 per square feet.

**2. Write about 500 words on any three of the following mathematicians and mathematical discoveries they have made:**

Pythagoras, Euclid, Aryabhata, Aristotle, Srinivasa Ramanujan

**3. Given the name of some top listed companies in India:**

- Reliance Industries Limited

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- State Bank of India
- Indusind Bank
- Asian Paints
- Hindustan Unilever
- Bajaj Auto
- Tata Steel Limited
- Maruti Suzuki India

- (a) Find out the following for each of the given company for financial year 2020-2021:
- (i) Total annual sales
  - (ii) Profit/loss after tax
  - (iii) Rate of dividend announced per share
- (b) Open market price per share as on 1<sup>st</sup> April 2020 and as on 31<sup>st</sup> March 2021.

[Hint: Use Internet resources like

<https://www.moneycontrol.com/>, <https://www.bseindia.com/>]

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