

Hodi Public School, Siliguri  
Summer Holiday Assignment  
Class 9

**ENGLISH :**

Refer to your Grammar Book and solve the following:

Passage 6 (Page 8)

Exercise 16, No. 3 (Page 224)

Exercise 17, No. 2 (Page 225)

Exercise 19, No. 2 (Page 227)

Exercise 10 (Page 264)

Letter Writing

Write a short theme (40 words), summary (100 words) and question answers of *The Sound of Music* (i & ii)

*Wind* (only by 9B)

**HINDI :**

पुस्तक - सारा आकाश लेखक- राजेंद्र यादव

**BENGALI :**

ইলিয়াস, দাম, খেয়া

ব্যাকরণ - সমাস

অ্যাসাইনমেন্ট – চাঁদের পাহাড়

**NEPALI :**

घनशायम नेपाल, शिवकुमार राई (अध्ययन कार्य )

**MATHEMATICS**

**SECTION A**

- 1] TO CONSTRUCT A SQUARE ROOT SPIRAL UP TO 16. [Roll Nos. 1 to 35]
- 2] HISTORICAL DEVELOPMENT OF  $\pi$ (PIE). (Chart presentation or in stick file) [Roll Nos. 1 to7]
- 3] Development of Geometry [Roll Nos. 8 to 14]
- 4] Formation of number system [Roll Nos. 15 to 21]
- 5] THE MAKERS OF MATHEMATICS. [Roll Nos. 22 to 28]
  - S. A. Ramanujan
  - C. R. Rao
  - Satyendranath Bose
  - Sridharacharya
- 6] HISTORICAL DETAILS AND REQUIREMENT OF '0' (ZERO). (Chart presentation) [Roll Nos. 29 to 35]
  - Its evaluation in various civilizations
  - Importance of zero.

**SECTION B**

- 1] TO CONSTRUCT A SQUARE ROOT SPIRAL UP TO 16. [Roll Nos. 1 to 26]
- 2] GOLDEN RATIO AND GOLDEN RECTANGLE. (CHART PRESENTATION) [Roll Nos. 1 to 4]
- 3] THE MAKERS OF MATHEMATICS. [Roll Nos. 5 to 8]
- 4] STUDY VARIOUS ASPECTS OF PYTHAGORAS THEOREM (Chart presentation) [Roll Nos. 9 to 12]
  - Its historical development
  - Its application
  - Its importance.
- 5] PROJECT ON PASCALS TRIANGLE. [Roll Nos. 13 to 16]
  - i] Observing pattern ii. Triangular Numbers. iii] Practical Application.
- 6] HISTORICAL DEVELOPMENT OF  $\pi$ (PIE). (Chart presentation or in stick file) [Roll Nos. 17 to 20]
  - Its irrationality
  - Its accuracy to required values.
  - Its requirement in various field of study.
- 7] HISTORICAL DETAILS AND REQUIREMENT OF '0' (ZERO). (Chart presentation) [Roll Nos. 21 to 23]
  - Its evaluation in various civilizations
  - Importance of zero.
- 8] The concept of decimal. (Chart presentation) [Roll Nos. 24 to 26]
  - Its evaluation
  - Its requirement and importance.

**SCIENCE :****Section – A : Roll nos. 1 – 7 / Section – B : Roll nos. 1 – 5**

Make a model on 3 different states : solid, liquid and gas of matter.

**Section – A : Roll nos. 8 – 14 / Section – B : Roll nos. 6 – 10**

Make a 3D model of animal cell along with proper labelling.

**Section – A : Roll nos. 15 – 21 / Section – B : Roll nos. 11 – 15**

Atomic Model of Na and Cl.

**Section – A : Roll nos. 22 – 28 / Section – B : Roll nos. 16 – 20**

Make Chart on different diseases caused by microbes – 2 each from bacteria, virus, protozoa and fungi. Paste pictures and write about their symptoms.

**Section – A : Roll nos. 29 – 36 / Section – B : Roll nos. 21 – 26**

Model of Stethoscope.

**SOCIAL SCIENCE :**

Disaster Management.

**ART & CRAFT**

Make any newspaper craft.

***Materials required for Projects to be taken up during the year –***

Old newspapers.

Fevicryl Shilpkar Clay - 2 packets

Earthen pot - 1

Fabric colour set (with golden colour inside) - 1

Fevicol tube - 1

Plaster of Paris - 1 kg

Hard Board - 1 (size 24 cm x 30 cm).

A piece of sponge - medium size

**DATE OF SUBMISSION OF SUMMER ASSIGNMENTS – 17.06.19.**