G.D. GOENKA PUBLIC SCHOOL, SILIGURI
CLASS: VI

GENERAL INSTRUCTIONS:
1. Complete your assignments using A4 sheets (Wherever applicable). Write the subject in the centre of the page.
2. Write your name, class and section on each sheet of your assignment or models.
3. Submit the models or worksheets on re-opening of School after the Puja Break.
4. Name the source if you have used the internet for research.

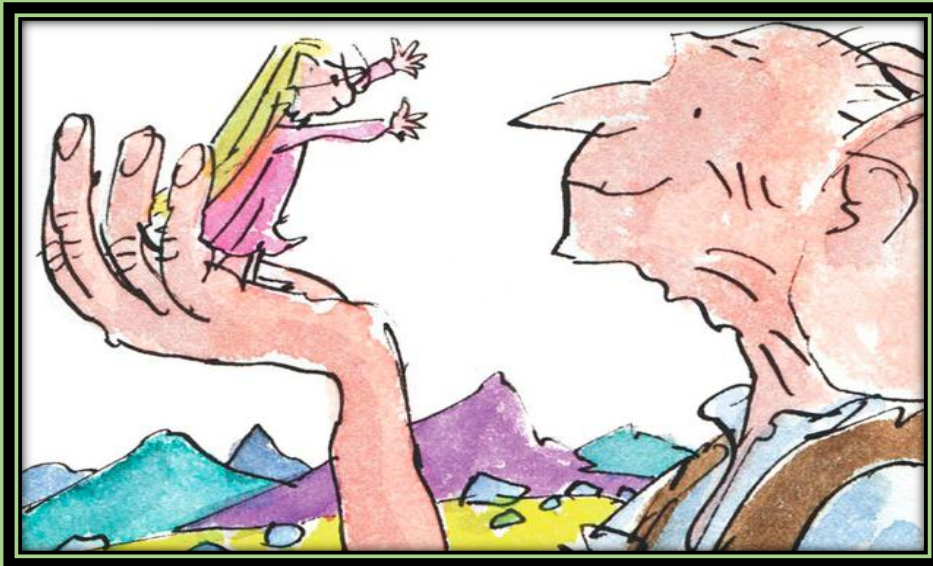**Name:**_____, **Sec:** _____, **Roll No.:** _____

ENGLISH

Imagine you are the protagonist (main character) of the story 'BFG', Write a paragraph in about 80-100 words describing your reaction and experience of encountering a giant. Read Chapters 11 to 15 and complete the assignment.

SCIENCE

MAKE YOUR OWN TELESCOPE

Building your own telescope is a fun experiment and it can be used to get a better view of constellations and other distant objects. Complete the telescope that we started to build in the class, taking hints from the demonstration that was shown to you

Materials required:

➢ 2 double convex lenses with different focal lengths (20mm and 40mm). (*More the focal length of the lenses better is the view.)
➢ Recycle material (used party popper roll/ used aluminium foil roll/ used paper roll/ used incense stick roll.
➢ Strong glue, cellotape, scissors, pencil.

Process:

➢ Take 2 rolls (any available material)   and adjust it in such a way that one tube slides into another.
➢ Fix a lens with the shorter focal length at the edge of a smaller tube with strong glue and tape the edge of the tube as neatly as possible. This will be an eyepiece lens (lens near to the eye)
➢ Tape the second lens neatly to the end of the wider tube. This will be an objective lens (lens focusing the object)
➢ Insert the empty end of the eyepiece tube into the objective tube.
➢ Your telescope is ready to be used.
➢ Use your telescope and observe the various star formations in the night sky for a fortnight and record them in your scrapbooks with dates. (Observations can be in written form or in diagrams)

MATHEMATICS BRAIN TEASERS

A.   Instruction: Solve the following questions in an A4 sheet

1.   I am a number with a couple of friends, quarter a dozen, and you'll find me again. What am I?

2.   Add me to myself and multiply by 4. Divide me by 8 and you will have me once more. What number am I?

3.   There is a three digit number. The second digit is four times as big as the third digit, while the first digit is three less than the second digit. What is the number?

4.   How many 9's are there between 1 and 100?

5.   In two years I know, I'll be twice as old as five years ago, said Tom. How old is Tom?

6.   Mom and dad have four daughters, and each daughter has one brother. How many people are in the family?

7.   Four years ago, Alex was twice as old as Jake. Four years from now, Jake will be 3/4 of Alex's age. How old is Alex?

8.   If it is two hours later, then it will take half as much time till its midnight as it would be if it were an hour later. What time is it?

9.   Sally is 54 years old and her mother is 80, how many years ago was Sally's mother three times her age?

10.   If two hours ago, it was as long after one o'clock in the afternoon as it was before one o'clock in the morning, what time would it be now?

11.   I am four times as old as my daughter. In 20 years time I shall be twice as old as her. How old are we now?

12.   If you're 8 feet away from a door and with each move you advance half the distance to the door. How many moves will it take to reach the door?

13.   What 3 positive numbers give the same result when multiplied and added together?

14.   When is 1500 plus 20 and 1600 minus 40 the same thing?

15.   There are 12 kids in a classroom. 6 kids are wearing socks and 4 are wearing shoes. 3 kids are wearing both. How many are bare feet?

B. Solve the following questions in your Maths Notebooks.

R.S. Agarwal: Chapter- Data Handling – Page No. 235 Question No. 2 to 5, Page No. -238 Question No. 1 to 4.