



Name _____ Roll. No _____

**Class In charge: Mr. Mohd Ali &
Ms. Dolly Sharma**

English

1.) Assume yourself pilot of old Dakota Aeroplane, the narrator of 'The Black Aeroplane'. Write an analytical paragraph on the strange experience that the narrator had. Conclude it with your acceptance of the mystery. (100 - 120 words)

2.) Read any of the stories of your book 'Foot Prints Without Feet'. Rewrite it with different ending in about 120 - 150 words.

Hindi

1. पाठ 'बालगोबिन भगत' में ऋतुओं के बहुत ही सुंदर शब्द चित्र के उकेरे गए हैं। बदलते हुए मौसम को दर्शाते हुए चित्र /फोटो का संग्रह कर एक अलबम तैयार कीजिए।
2. अपने घर के आस-पास देखिए और पता लगाइए कि नगरपालिका ने क्या-क्या काम करवाए हैं? हमारी भूमिका उसमें क्या हो सकती है?

Mathematics

Q.1 A Mandala is a Sanskrit word for 'circle' is a geometric design that holds a great deal of symbolism in Hindu and Buddhist cultures. Mandalas are believed to represent different aspects of the universe and are used as instruments of meditation and symbols of prayer. In their most basic form mandalas are circles contained within a square and arranged into sections that are all organized around a single, central point. To understand Mandala Art, its meaning, use of circles, polygons, lines and symmetry bring out the artist in you and draw a beautiful Mandala art on an A3 size sheet using only compass and ruler. Make a short video also (1-2 minutes) to explain the mathematical association in it.

Geometric Mandala (Roll No. 1-11)

For ref use this link:

<https://youtu.be/NEuOyeYnH2k>

Sacred Mandala (Roll No. 12- 22)

For ref use this link:

https://youtu.be/az-pNeg47_g

Q.2 Prepare a mind map of the topic as per given roll no.

Roll no. – 1 to 11 – Polynomials

Roll no. – 12 to 22 – Linear Equation in two variables

Q.3 MATHEMATICS ARTICLES

Read and record an article. Use suitable images and pictures to support your research work.

Take help of the below links or magazines and choose a suitable article

- <https://www.mathgoodies.com>
- <https://azimpremjifoundation.com>(At Right Angles Magazine)
- <https://www.tandfonline.com>
- Mathematics Today
- Mathematics Spectrum





Science

Q.1 Make a PowerPoint presentation on topic “Types of nutrition”. OR “Different forms of reproduction in different types of organisms”.

Basic format of presentation will include:

Slide 1: Name of the presentation, Presenter (with class and roll no.) and name of the school.

Slide 2: Index including name of the topics which are part of your presentation.

Slide 3: Your content will begin from this slide.....

- Make a compilation of at least 20-30 slides. Be as creative as possible. Take help of newspaper and articles on google.
- This project will be a part of your internal assessment of the year.

❖ **Write answers of the following questions in your notebook:**

Q.2 Name the following-

- a) The process in plant that link light energy with chemical energy.
- b) The cell organelle where photosynthesis takes place.
- c) Cells that surround the stomatal pore.
- d) An enzyme secreted from the gastric glands in the stomach that acts on protein.

Q.3 How are alveoli designed to maximize the exchange of gases?

Q.4 What is peristalsis and what will happen if the diaphragm of a person will get ruptured in an accident?

Q.5 Describe the process of urine formation in kidney?

Q.6 Frame at least 20 words with the help of elements of periodic table.

Q.7 When the solution of substance X is added to a solution of potassium iodide, then a yellow solid separated out from the solution.

- (a) What do you think substance X is likely to be?
- (b) Name the substance which the yellow solid consists of.
- (c) Which characteristics of chemical reaction is illustrated by this example?
- (d) Write a balanced chemical reaction which takes place.

Q.8 Gas A, which cause the global warming combines with hydrogen oxide B in nature in the presence of an environmental factor C and a green material D to form six carbon organic compounds E and a gas F. The gas F is necessary for breathing. What is A,B,C,D,E and F?

Q.9 Frame at least 10 your own questions of the topic type of reactions.





Q.10A strip of metal X is dipped in a blue-coloured salt solution YSO_4 . After some time, a layer of metal from the salt solution is formed on the surface of metal strip X. Metal X is used in galvanization whereas metal Y is used in making electric wires. Metal X and Y together form an alloy Z.

- (a) What do you think is metal X?
- (b) What could metal Y be?
- (c) Name the metal salt YSO_4 .
- (d) Write the chemical reaction which takes place when metal X is react with YSO_4 .

Q.11A metal salt MX when exposed in sunlight splits up to form metal M and a gas X_2 . Metal M is used in making ornaments whereas gas X_2 is used in making bleaching powder. The salt MX is itself used in black and white photography.

- (a) What do you think metal X is?
- (b) What could be gas X_2 ?
- (c) Name the metal salt MX.
- (d) Name any two-salt solution mixing together can produce a precipitate of salt MX.
- (e) What type of chemical reaction takes place when salt MX is exposed in sunlight? Write the equation of the reaction.

Q.12 Make a small investigation of any one important aspect of light in your life near or around you and record your observations in copy. Your investigation will be discussed in class

Social Science

Q 1. Make a project file as Multipurpose River dam Project, Project Tiger, Rain Water Harvesting Floods management.

Q 2. Prepare a chart for national allegory of France or Germany. Paste the meaningful symbols that were represented in that allegories and write about it .

Q 3. What is linguistic diversity explain about context in India?

Q 4. Write a note on Caste Politics in India?

IT

Create a power point presentation in details all about 7 C's of effective communication, use some diagram/pictures as well.

