SUMMER VACATION HOLIDAY HOME WORK
SESSION 2019-20
CLASS-IX

ENGLISH

1. Do the Assignments of factual and discursive passages in your Goyal's Assignments in English.

2. Solve assignment 10 (all parts) in the book itself.

3. Revise:-
- Tenses
- Modals
- Voice
- Sub verb Concord
- Reported speech
- Clauses
- Determiners
- Prepositions

4. Represent the poem 'The road not taken' in a picturesque way on an A3 size sheet (Imagery).

5. Make a character card of the poet Robert Frost.

6. Spend quality time with your family. Help your parents and make them feel proud of being your parents. Then write a diary entry for the same (you can paste photographs supporting your diary).

HINDI

प्र0 1 पता कीजिए कि कौन-से साँप विषैले होते है ? उनके चित्र एकत्र कीजिए और कोलाज तैयार कीजिए ।

प्र0 2 आगे बढ़ती भारतीय महिलाओं की पुस्तक पढ़कर उनसे संबंधित चित्रों का संग्रह कीजिए एवं एक परियोजना (फाइल) तैयार कीजिए ।

क) पी0टी0उषा   ग) किरण बेदी

ख) आरती साहा   घ) बचेन्द्री पाल

प्र0 3 निम्नलिखित विषयों पर गृहकार्य कॉपी में अनुच्छेद लिखो ।

1. छात्र-अनुशासन   3. स्वच्छता अभियान

2. इंटरनेट   4. मोबाइल फोन

प्र0 4 निम्नलिखित विषयों पर गृहकार्य कॉपी में विज्ञापन तैयार कीजिए।

1. पुरानी साईकिल की बिक्री के लिए।

2. मृदुल कोल्ड क्रीम ।

प्र0 5 कॉपी में करवाया गया कार्य याद करो।

MATHS

1. Practice 5 questions daily from following topics from both books:
a) Ch- 2 Polynomials
b) Ch- 5 Euclid's Geometry
c) Ch-6 Lines and Angles

2. Prepare following topics, as per your Roll No.:

ROLL NO.	TOPIC
1-10	3-D model showing EXTERIOR ANGLE PROPERTY.
11-20	any ONE decorative item using maths concept. Or PPT on any one chapter done in class
21-30	5 new mathematical symbols (information regarding their origin, their meaning and their use) on A4 size sheet.
31-40	3-D model of any one quadrilateral and its properties.
41-50	"Utility of maths in daily life" make a *COLLAGE* on chart paper.

SCIENCE

1* Make a working model on any one of the following topics :-
   (1) Energy
   (2) Electricity
   (3) Air pollution and its control
   (4) Eco friendly city/ building
   (5) Harmful effects of pollution on environment

2* Write following experiments in biology practical note book:-

Expt 6- Identification of Parenchyma, collenchyma and sclerenchyma tissue in plants .Smooth , striped and cardiac muscle fibres and nerve cells in animals from prepared slides. Draw their labelled diagrams.

Expt-12- Study the characteristics of Spirogyra, Agaricus, Moss , Fern, Pinus and an angiosperm plant. Draw and give two identifying features of the groups they belong to.

Expt-13- Observe the given pictures of earthworm, cockroach, bony fish and bird .For each organism draw their labelled diagrams and record:-
(a) One specific feature of its phylum
(b) One adaptive feature with reference to its habitat.

Expt-15- Study the external features of root ,stem, leaf and flower of monocot and dicot plants.

3* Write the assignment based on chapters 1,5 & 8 in a separate assignment copy.

ASSIGNMENT SCIENCE

Chapters-
1- Matter in our surroundings
5- Fundamental unit of life
8- Motion

Q1. Write differences in the following:-
   (a) Diffusion and osmosis
   (b) Scalar and vector quantity
   (c) Distance and displacement
   (d) Boiling and evaporation
   (e) Plant and animal cell
   (f) Mitosis and meiosis
   (g) Endocytosis and Phagocytosis

Q2. Describe the properties of particles of matter.

Q3. What is the effect of :-
   (a) Decreasing surface area on the rate of evaporation.
   (b) Increasing pressure on the state of matter.
   (c) Increasing temperature on the rate of evaporation.

Q4. Define the following:-
   (a) Sublimation
   (b) Velocity
   (c) Plasmolysis
   (d) Retardation
   (e) Latent heat of vaporization

Q5. Draw labelled diagram of the following:-
   Plant and animal cell

Q6. Write differences in solid, liquid and gas in terms of following
   (A) Hardness
   (B) Volume
   (Ç) Fluidity
   (D) Compressibility

Q7. Convert a speed of 72km/ h into m/s

Q8. An electric train is moving with a velocity of 120km/h. How much distance will it cover in 30s ?

Q9. Explain why evaporation always causes cooling?

Q10. Why should we not wear dark coloured in summers??

SOCIAL SCIENCE

1. Prepare a project on disaster management, Natural disaster & Manmade disaster
- Natural disaster (Earthquake, flood and Cyclone)
- Manmade (terrorist attacks, Industrial disaster)

Project should include case study
1.   Prepare PPT on: -
IX- A, B   -   The French revolution
IX- C, D   -   story of village Palampur
IX- E, F   -   What is Democracy? Why Democracy
IX- G, H, I   -   India: - size & Location

SANSKRIT

1 पाठयपुस्तक के 1 2 3 4 5 6 के शब्द-अर्थ लिखों।

2 संस्कृत में 5 पत्रों 5 चित्रधारित वाक्यों की रचना करके उत्तरपुस्तिका ले लिखों।

3 1से 100 तक संस्कृत संख्या लिखों।

4संस्कृत में शांतिपाठ लिख कर याद करो।

5 जंतुशाला वाटिका वेद वर्णमाला उचारणस्थान किसी एक का प्रतिरूप बना कर लाओ।

DRAWING

Class -9A,B,C,D,E
Do all the topics
1. Rakhi Designing with waste material
2. Prepare a bouquet with colour paper
3. Mobile cover with the help of old cloth.

Class -9 F,G,H,I
4. Rakhi Designing with waste material
5. Make one invitation card with paper qualling (size – 8"-11").
6. Embose painting with the help of colours .and laminate with plastic sheet (frame with transparent sheet)/glass.

HAPPY VACATIONS