TATA DAV Public School,WBC,Ghatotand

CLASS – STD. X

Note:
- ✓ **Use the Quarantine Period in productive way learn new things online.**
- ✓ **Use Homework Copy / Loose Sheet from Previous copy binding and labelling it properly.**
- ✓ **Content searching only Online mode (Avoid communication with friends.).**
- ✓ **Don't copy the content from friends copy (COVID-19 can communicate in that way also).**
- ✓ **For further any kind of information you can contact your class teacher.**

Subject - English

1. Read the stories A Triumph of Surgery, The Thief's Story and The Midnight Visitor from the book Foot Prints Without Feet and these stories in your own words. (200 words each)

2. Write about Robert Frost in 150 words.

3. Write about the Life history of Nelson Mandela.

4. Write six editorials date wise starting from 24/3/2020.

Subject - Mathematics

1. Factorize the following:

I. $8x^3-64y^3$
II. $15x^2-14xy+3y^2$
III. a^6-b^6
IV. a^4+a^2+1
V. $z^3-y^3-3yz-1$
VI. u^2-15
VII. $a^2+1/a^2+2-36b^2$
VIII. $\sqrt{3}x^2+10x+7\sqrt{3}$
IX. $Y^2+3\frac{\sqrt{5}}{2}y-5$
X. $3x^3-5x^2-11x-3$
XI. $a^3/b^3 + b^3/c^3 + c^3/a^3 -3$

2.Find the L.C.M. and H.C.F. by using prime factorization method:

    I.   84,90 and 120
   II.   40,36 and 126
  III.   96 and 404

3.Explain the following terms:

    I.   Real Number
   II.   Polynomial
  III.   Zero of a polynomial
  IV.   Irrational no
   V.   Terminating and Non-terminating decimal expansion
  VI.   Linear equation in two variable

Subject – Social Studies

1.Give extensive reading of the following chapters and do the exercise questions in a neat handwriting
2. D.O.S- Reopening date.
HIST- UNIT 1
1. Nationalist movement in europe
2. Nationalism in india
POLITICAL SCIENCE
    1. Power sharing
    2. Federalism
GEOGRAPHY
    1. Resourcesand development
    3. Agriculture

Subject – Economics

1.   What is meant by Development and what are the important goals of development?

2.   Why are goals of development different? Explain with five different examples.

3.   What are the different types of goals of development? Explain with examples

4.   What is per capita income and what are its merits and demerits ?

5. How is development of different countries compared by the World Bank? Explain
6. What do you mean by Public facilities and what are its advantages ?
7. Define the terms Literacy Rate, Infant Mortality, Net Attendance Ratio and Human Development Index.
8. How is 'Human Development Report' prepared by UNDP ? Explain.
9. What is sustainable development and why is it important ?
10. How is Excessive use and Exhaustion of natural resource a great threat to the environment ? Explain with examples.

Subject - Hindi

Hindi H.W. for Students of Std. Xth

1.परियोजना-कार्य : क्षितिज भाग-2 में संकलित किन्हीं आठ साहित्यकारों का चित्र बनाकर उनका जन्म ,निधन और प्रमुख रचनाओं का नामोल्लेख चार्ट पेपर पर करें ।

2. किसी भी हिन्दी समाचार-पत्र से मार्च महीने के एक सप्ताह का सम्पादकीय लिखें ।

3.निबंध लिखें—(क). विश्व व्यापी महामारी कोरोना का भारत पर प्रभाव , (ख) देश भक्ति ।

4.क्षितिज भाग-2 में सकलित महाकवि सूरदास और गोस्वामी तुलसीदास के जीवन और साहित्य का संक्षिप्त परिचय दें ।

(दसवीं कक्षा के सभी छात्र-छात्राएँ गृह-कार्य की नयी अभ्यास पुस्तिका में उपर्युक्त गृह-कार्य करके विद्यालय खुलते ही जमा करेंगे)

Subject - Physics

Q1. Define resistance, resistivity and Ohm's law.

Q2. What are the advantages of connecting electrical appliances in parallel instead of series in a circuit?

Q3 Why is tungsten used for filament of electric lamps?

Q4 Why are alloys used in heating devices rather than pure metal?

Q4. A resistance wire of 4 Ω resistance is doubled on itself .calculate the new resistance of the wire.

Q5. Write Joule's law of heating.

Q6. List the factors on which resistance and resistivity of a conductor depend on.

Q7. Define the followings.

  a] Electric circuits
  b] Electric current
  c] Potential difference
  d] 1Ohm
  e] 1volt

f]   1 ampere

Q8.   Find expression for equivalent resistance of resistances connected in parallel

Q9.   A copper wire is double on it. What change in resistance of wire you expect.

Q10.   A copper wire stretched to double of its length what change in resistivity and resistance

Subject - Chemistry

- Write chemical formula of any 20 compounds.
- Differentiate between physical and chemical change.
- Explain chemical equation write any 20 chemical equations and balance them.
- How to make chemical equation more informative.
- Why Mg ribbon is cleaned before burning.

Subject – Informatics Practices

Communication Skills

1. What do you mean by communication? What is the purpose of communication ?Explain.
2. Differentiate between Clear communication and Complete communication with example.
3. What are the various methods of communication? Explain.
4. What are elements of communication cycle? Explain.
5. What do you mean by feedback? What is the different kind of feedback? Explain.
6. What do you mean by effective communication? What are barrier to communication? Explain.
7. What do you mean by sentence? What are parts of sentence?
8. What do you mean by visual perception and prejudices? Explain.
9. What are different kind of phrases? Explain.
10. What are different kind of sentences? Explain.

Self Management Skills

1. How can you manage stress? Explain.
2. What do you mean by self –awareness? Explain.
3. What is the difference between self-awareness and self-regulation? Explain.

Entrepreneurial Skills

1. What are myths about Entrepreneurship?
2. What do you mean by business? Explain.
3. What is the difference between entrepreneur and entrepreneurship. Explain.
4. What are the characteristics of Entrepreneurship? Explain.
5. How entrepreneurship is helpful to society? Explain.

Green skills

1. How sustainable development can be done? Explain.
2. How reuse of resources help in sustainable development? Explain.
3. How environment is helpful to human beings?
4. What is the use of ecosystem? Explain.

Green economy enhance the productivity? Explain.