



BCM School, Pakhowal Road,
Basant City, Ludhiana

Holidays Homework

2022

Std. XI
Science

Yoga

Music

English Core

Chemistry

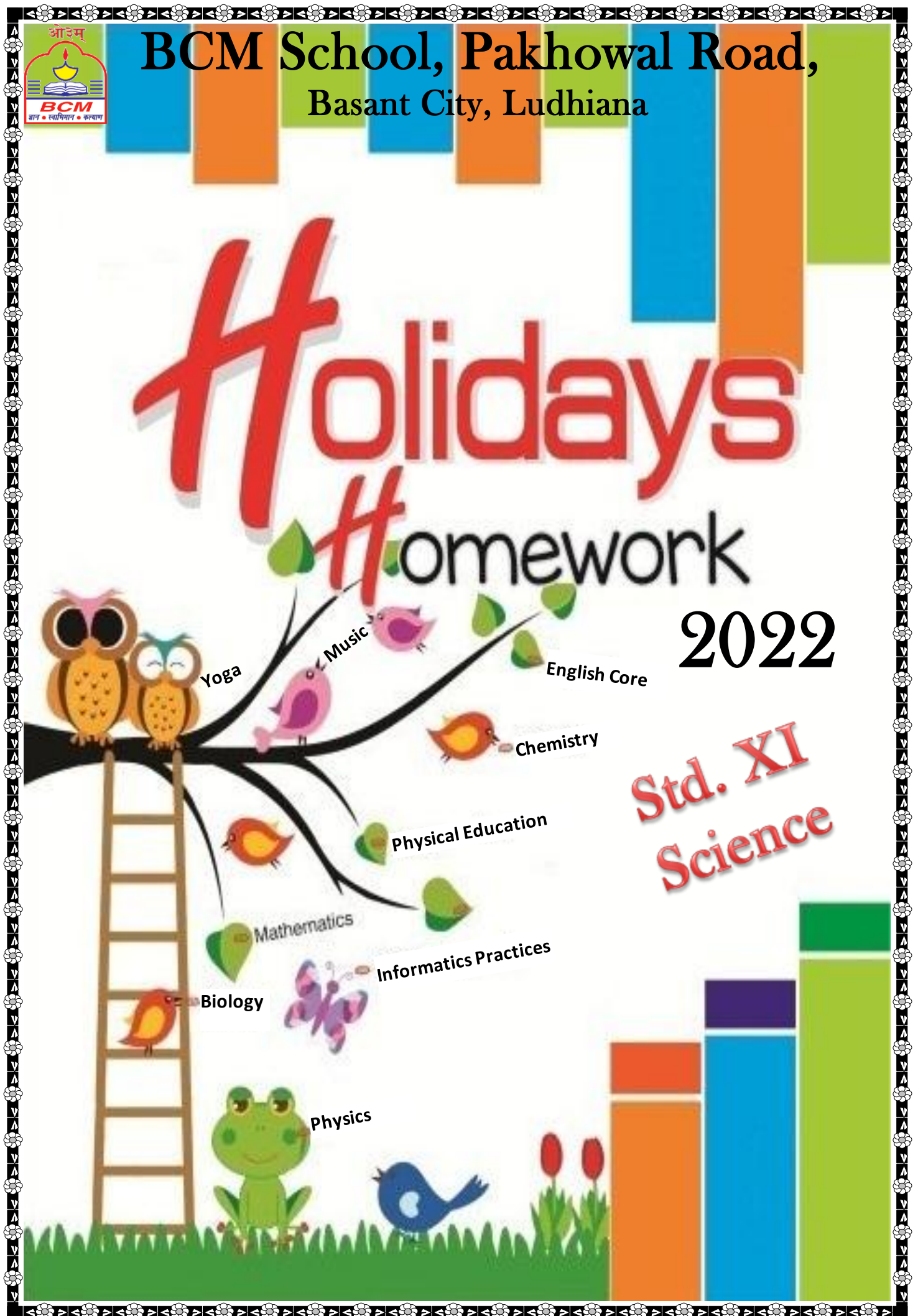
Physical Education

Mathematics

Informatics Practices

Biology

Physics



ENGLISH CORE

(PROJECT WORK)

NOTE:-

- **THIS PROJECT WORK IS TO BE DONE ON LANDSCAPE SHEETS THEN PUT IN A PRESENTABLE FILE.**
- **IT WILL BE COUNTABLE FOR YOUR ASL MARKS**

1 NOTICE

In the capacity of the President of RWA, Mayur Vihar, Delhi .Write a **NOTICE** informing all the residents about the power cut for the installation of electronic meters, seeking their cooperation
(Paste cutting of public notice/any notice from newspaper too on the next page)

2 LETTER TO EDITOR

Write a **Letter to the Editor**, The Hindu, Chennai about rash and reckless driving by the people in your city suggesting preventive measures. You are Som/Somya residing at 20, Mount Road, Vela cherry.

(Paste cutting of letter to editor from the Tribune/or any other newspaper too on the next page)

3 ARTICLE

Write an **ARTICLE** on the "IMPORTANCE OF MENTAL HEALTH"
(Paste pictures relevant to the article too on the next page)

CHEMISTRY

I. Prepare any one of the Investigatory projects as given in CBSC syllabus :

- 1) Study of methods of purification of water.
- 2) Investigation of the foaming capacity of different washing soaps and the addition of sodium carbonate on it.
- 3) Determination of the rate of evaporation of different liquids.
- 4) Study of acidity of fruits and vegetable juices.
- 5) Or any project based on corrosion/chemical bonding.

II. Revise atomic structure and solve assignment provided to you.

PHYSICS

Prepare power point presentation on the following topics:

- (i) Newton's laws of Motion
- (ii) Gravitation
- (iii) Work, Energy and Power

BIOLOGY

NOTE:--- * Do this work on assignment sheets.

*This project should be spiral binded .

*Here is the list of topics, choose any one and make it with the help of Biology reference books and internet.

* Project should be investigatory.

*Paste pics and you can draw diagrams also.

LIST OF TOPICS: ----

- Blood Groups
- Mitosis/Meiosis
- Digestive Disorders
- Nervous Disorders
- Cardiac Disorders
- Human Evolution In Heart
- Different Species Under Animal Kingdom
- Different Species Under Plant Kingdom
- Various Hormones Released In The Body

Make practical file also as per the syllabus given by CBSE

ASSINGMENT

1. What will happens to the ribs, muscles, thoracic cavity during inhalation and exhalation
2. What is oxygen dissociation curve? And how Ph, temperature, and p CO₂ effects the oxygen dissociation curve?
3. Diffusion of gases occurs only in alveolar region not in the other parts of the respiratory system.
4. What are the major transport mechanisms for CO₂? Explain.
5. Explain the autoregulatory mechanism of GFR
6. Give a brief account of the counter current mechanism.
7. Explain micturition.

MATHEMATICS

1. To find the number of subsets of a given set and verify that if a set has n number of elements, then total number of subsets is 2ⁿ.
2. To verify distributive law for three given non-empty sets A, B and C this is
$$A \cup (B \cap C) = (A \cup B) \cap (A \cup C).$$
3. **To distinguish between relation and a function.**
4. To verify the relation between the degree measure and the radian measure of an angle.
5. To plot the graphs of sin x, 2sin x and sin 2x using same coordinate axes.
6. To interpret geometrically the meaning of $i = \sqrt{-1}$ and its integral powers.
7. To verify that the equation of a line passing through the point of intersection of two lines
 $a_1x + b_1y + c_1 = 0$ and $a_2x + b_2y + c_2 = 0$ is of the form $(a_1x + b_1y + c_1) + \lambda(a_2x + b_2y + c_2) = 0$.
8. **To construct a parabola.**
9. To explain the concept of octants by three mutually perpendicular planes in space.
10. To write the sample space, when a die is rolled once, twice and so on.

PHYSICAL EDUCATION

Students will be prepare Practical File completed which includes following Contents

PRACTICAL 1

Physical fitness test, SAI khelo India test

PRACTICAL 2

Athletics

History, classification of athletics, draws the track neat and clean,

FROM TRACK EVENTS

Write types of start and type of finish

Relay race

Technique, important point, general rules of track events

FROM FIELD EVENTS

Long jump

Introduction, technique, phase, important point

Shot put, discus throw

PRACTICAL 3

(Choose any one game)write each game,, History, tips to remember, latest rule, specifications of play filed, any five fundamental skill, and five TERMINOLOGY, famous tournaments great

PERSONALITY

*Archery

Badminton

Boxing

Judo

Rifle shooting

Swimming

Taekwondo

Lawn Tennis

Gymnastics

Yoga (any five asans)*

Any one game of your choice out of the list above. Labelled diagram of field & equipment (Rules, Terminologies & Skill)

YOGA

* Surya Namaskar

* Asana (any 5)

* Pranayama (any 2)

* Bandh

* Mudra (any 2)

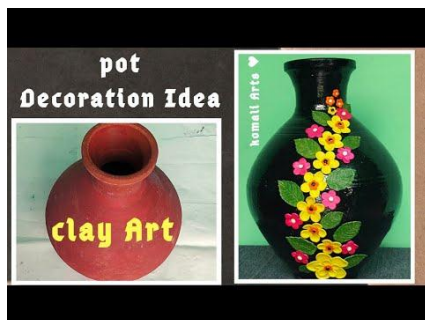
* Prepare a chart of yogic management to cure obesity

INFORMATICS PRACTICS

Make an assignment of back exercise of chapter 1

FINE ARTS

- Make A2 sized 4 sheets of Still-Life in pencil shading, 2 sheets of Composition in any medium.
- Make 1 Bottle or Pot decoration with clay work, Mirrors or any other decorative material.
- Make a bunch of handmade/artificial flowers for pot decoration.



EXAMPLES:-

