

Holidays are a well deserved opportunity to relax and rewind by indulging in activities that are pleasurable at the same time educative. It is a sincere request to all to complete holiday assignment on time. Engage yourself whole heartedly as you will learn a lot through it.

HERE ARE FEW TIPS FOR YOU TO FOLLOW:-

- Revise the entire syllabus done in the class. **Homework should be done on A4 size sheets in your handwriting and maintain a file of it.**
- Get up early in the morning and pray.
- Keep your room clean and well organised.
- Assign a permanent place and work time.
- Play indoor games.
- Help your mother, do small household work like dusting, serving water, watering plants and so on.

NOTE:-

METHOD OF SUBMISSION -

1. MAKE A PDF OF YOUR HANDWRITTEN WORK.

2. SEND THE VIDEOS, PHOTOS OR PDF TO THE CONCERED (SUBJECT) TEACHERS EMAIL ID.

CLASS:-XI

ENGLISH

SUBJECTIVE:

1. Read Poem “The Tale of the Melon City” and analyse the literary devices used in the poem.
2. Read the play “The Browning Version”. After reading the play, frame your own questions and find the answers with the help of the text.
3. Every night introspect your whole day’s activities and mark a dairy entry about 1 good thing that you did for others.

CREATIVE CORNER:

1. In order to develop writing skills and have practical knowledge of posting letters, write a letter to your friend telling her about your summer vacation plan and post that letter. After receiving that letter paste it in your notebook. Experience the eagerness of waiting for your reply and joy of receiving letter by post.
2. Watch a documentary on the life history of a great leader ‘Nelson Mandela’. We will enact role play in the upcoming event of our class.
3. Get up early in the morning and feel the magic of surroundings. Experience the first ray of sun and coolness of breeze, the chirping of birds and do meditation for at least 30 minutes every day.
4. Mothers don’t have holidays, not even on Sundays. On holidays their work gets doubled, in order to show some respect towards her dedication Help your mother in household chores and also learn to cook her signature dish.
5. Family is the first school of every child and parents can give you the best advice which Google can’t. Value your relations because you are blessed with them. Switch off your mobile after 7 pm everyday and spend quality time with your family. Discuss and share your feelings and thoughts with your parents.

ACCOUNTANCY

- Q1) Read & Learn CH 1, CH 2 & CH 3 thoroughly.
- Q2) Practice numericals based on Accounting Equations.
- Q3) Read the Golden Rules of Accounting and pass the Journal Entries.
- Q4) Solve the problems given below and prepare Accounting Equation
- a) Prepare Accounting Equation from the following transaction :

ILLUSTRATION 10. (Preparation of accounting equation) Mr. X commenced his business on 1st April, 2013 by introducing capital of ₹ 50,000. During the year, following transactions had taken place-

	Amount ₹
(a) Bought Furniture for cash.	16,000
(b) Purchased goods for	20,000
(c) Sold goods (costing ₹ 8,500) to Ram for cash.	16,000
(d) Purchased goods from Mohan.	11,000
(e) Introduced additional capital.	13,000
(f) Commission received in advance.	1,500
(g) Paid to Creditors ₹ 9,500 in full settlement.	
(h) Bought Fax Machine for his personal use.	8,000
(i) Rent paid for the year.	8,000
(j) Payment for stationery	200
(k) Sold goods (costing ₹ 10,000) for ₹ 12,000. Out of which ₹ 1,000 received in cash.	

Show the above transactions in accounting equations.

- b) Prepare Accounting Equation from the following transaction :

ILLUSTRATION 7. (Preparation of accounting equation) Amar commenced business with a capital of ₹ 75,000 on 1st April, 2013. The various transactions that took place during the year were as follows :

- Purchased furniture worth ₹ 7,000 for office use.
- Bought Machinery for ₹ 10,000.
- Purchased goods from Jitinder for ₹ 5,000.
- Purchased goods from Hari in cash ₹ 8,000.
- Sold goods (costing ₹ 4,000) at a profit of 25% on cost.
- Withdrew cash for private use ₹ 2,000.
- Deposited into bank account ₹ 1,000.
- Expenses paid ₹ 2,000.

Prepare an accounting equation to give effect to the above transactions.

- c) Prepare Accounting Equation from the following transaction :

ILLUSTRATION 11. (Preparation of accounting equation) From the following particulars of Mr. Ram, prepare the accounting equation:

- Started business with cash for ₹ 2,50,000 and Building ₹ 10,00,000.
- Paid into bank ₹ 1,00,000.
- Purchase machinery for cash ₹ 20,000.
- Purchased goods for cash ₹ 1,00,000.
- Sold goods (costing ₹ 2,000) for cash ₹ 2,400.
- Expenses outstanding worth ₹ 1,000.
- Received securities deposit from tenants ₹ 3,500.

CLASS:-XI

BUSINESS STUDIES

Project work:-

Group 1- Consumer co-operative: select a consumer co-operative society like Amul and study it as a business model. Also include the objectives and the organizational structure, details of surplus distribution.

Group 2- Classification of industry: select a daily use, consumer product. Trace its origin from the primary industry through the secondary and tertiary industries. Draw a flow chart to include the business activities in its path from the producer to the consumer.

ECONOMICS

Project work:-

Group 1- Project report on consumer awareness among households using primary data.

Group 2- Project report on demographic structure of a neighborhood.

Group 3- Project on changing prices of a few vegetables in a market using primary data.

PUBLIC ADMINISTRATION

1. Make Short Notes on the given topics.
 - Theory X and Y
 - Hierarchy of Needs
 - Decision Making by Herbert Simon
2. Complete all your work in your Register, till the topics completed in your Public Administration, as Marks shall be given on completion of work.
3. Reference Work -
 - Unity of Command
 - Span of Control
 - Delegation
 - Centralisation
 - Decentralisation

POLITICAL SCIENCE

1. Browse through the done lessons carefully and bring out various ARTICLES mentioned with what it stands for, in the Indian constitution. Start with Article 1 of the Indian Constitution.

2. Make a PPT on any one of the given topics and make its study in detail, so as to teach in the class after the Summer Vacation.

Topics:-

A. Supreme Court- Powers & Functions

B. High Court - Powers & Functions

C. Equality -

- Major Forms of Inequality
- How Can Equality Be Realised
- Measures To Remove Inequality.

D. Peace- Definition of Peace & Principles Of Peace

E. Citizenship

- Citizen-Definitions, Relevant Grounds of Inclusion & Exclusion
- Natural & Naturalised Citizenship.

F. Rights

- Political Rights
- Civil Rights
- Social & Economic Rights.
- Religious, Cultural & Educational Rights.
- Kinds of Duties
 - ❖ Social Justice.
 - ❖ Define social justice. Three Principles of Social Justice.
 - ❖ Forms of Injustice.
 - ❖ Ways to secure Justice.
 - ❖ Steps to Promote Social Justice in India.

BIOLOGY

1. Name three groups of plants that bear archegonia. Briefly describe the life cycle of any one of them.

Q: Draw well labeled diagrams of

- a) Female and male thallus of liver worts.
- b) Alternation of generation in angiosperms.

2. Give the summarized account of photosynthetic pigments, storage material, and complexity of structure in different groups of algae.

3. Draw a neat and clean well labeled life cycle of an angiosperm, using innovative methods.

4. What do you understand by the term “three generations locked in seed?” Explain in detail.

5. Gather any four seeds of dicotyledonous and monocotyledonous plants and paste them on sheets in a file giving brief description of any two of each.

6. Diagrammatically explain haplontic, diplontic, and haplo-diplontic alternations of generations.

7. In gymnosperms, cross pollination is accomplished by wind. The same is known as anemophily. Explore your knowledge and collect information about the rest of the agencies of pollination.

8. Which alga is popularly called “devils apron” and why? Give a detailed account of the alga in support to your answer.

Do self-study of chapter “Morphology in Flowering Plants”. There will be a test of this chapter after summer vacations.

CHEMISTRY

1. State & explain the periodic trends in the following periodic properties wrt - period & group:
 - Ionization
 - Electronegativity
 - Atomic & ionic radii
 - Electron gain enthalpy
 - (V) Oxidation state
2. What is –Diagonal relationship .Why it is often restricted to 2nd & 3rd periods? Illustrate diagonal relationship with reference to IE & atomic radius.
3. How Dmitri's Mendeleev periodic table differs from Modern form of periodic table?
4. What are isoelectronic species? How the ionic/atomic radii of these species vary with each other?
5. Write the 3 characteristics of each block:-
 - f-block
 - d-block
 - p-block &
 - s- block
6. Explain why
 - The Electronegativity of F is maximum than Cl, while Electron affinity of Cl is maximum than F
 - Metallic character increases down the group & non-metallic character increases along the period
7. State & explain J.C. Slater's Rule. How do you use the Slater's rule?

1. If the instantaneous velocity of a particle is zero, will its instantaneous acceleration be necessarily zero? Explain.
2. The displacement-time graphs for the two particles P and Q are straight lines inclined at angles of 45° and 60° with the time axis. What is the ratio of the velocities $V_P : V_Q$?
3. Draw the following graphs representing motion of an object under free fall. Neglect air resistance. (i) Variation of position with respect to time. (ii) Variation of velocity with respect to time. (iii) Variation of acceleration with respect to time.
4. A particle starts from rest and has an acceleration of 2 ms^{-2} for 10 s. After that the particle travels for 30 s with constant speed and then undergoes a retardation of 4 ms^{-2} and comes back to rest. Calculate the total distance covered by the particle.
5. A car moves a distance of 200 m. It covers the first half of the distance at a speed of 40 km/h and the second half of distance at speed 'v'. Calculate the average speed of bus?
6. A car moving with a speed of 40 km/h can be stopped by applying brakes after at least 2 m. If the same car is moving with a speed of 80 km/h, find the minimum stopping distance?
7. If a car at rest accelerates uniformly to a speed of 144 km/h in 20 s, calculate the distance covered?
8. Derive: (i) $S = u t + \frac{1}{2} a t^2$ using calculus method (ii) Third equation of motion using graphical method.

Extra Work:-

- A. Use 9th standard science NCERT and solve end chapter exercise on following chapters:-
- Describing the motion
 - Laws of motion
- B. Prepare Practical files. Write all the experiments in practical notebook.

1. In a school there are 20 teachers who teach mathematics or physics. Of these, 12 teach mathematics and 4 teach physics and mathematics. How many teach physics.
2. If A and B are two sets such that $n(A \cup B) = 50$, $n(A) = 28$ and $n(B) = 32$, find $n(A \cap B)$.
3. Write down all the proper subsets of the set $\{1, 2, 3, 4\}$.
4. Write the following sets in the set-builder form :
5. $A = \{0\}$ II) $B = \{2\}$ III) $C = \{0, 3, 6, 9 \dots\}$
6. Write the multiplicative inverse of $-1 + \sqrt{3}i$.
7. Find the complex conjugate of $(2 + 5i)^2$.
8. Solve the equation $x^2 - 4x + 13$ by factorisation method.
9. Convert $\frac{1+3i}{1-2i}$ in Polar form.
10. Simplify $\frac{2-3i}{3+4i}$.
11. Find the sum of $2 - 3i$, $-5 + \frac{3i}{2}$ and $\frac{1}{2} - i$.
12. Find n, if ${}^n C_5 = {}^n C_7$.
13. A man has six friends; in how many ways can he invite one or more of them to a tea party?
14. A room has 6 doors. In how many ways can a man enter the room through one door and come out through a different door.
15. In how many ways can 5 letters be posted in 4 letter boxes
16. Twelve students compete in a race. In how many ways first three prizes can be given?

Extra Work:-

Chapter No. 6 i.e Linear Inequalities (Holiday Homework)

Revise and practice:-

Chapter No.1 and Chapter No's 2,4, 5 & 7.

Revision Test on 27/7/2021 (Chapter No. 1, 2 & 7)

Revision Test on 30/7/2021(chapter No. 4 and 5)



HOLIDAYS HOMEWORK

(2021-22)

CLASS:-XI

COMPUTER SCIENCE

1. Give one reason why data is represented in binary in a computer.
2. How many bits are there in a byte?
3. How many bytes are there in a MB?
4. A photographer takes up to 2000 photographs per week. Each photograph requires 5MB of storage on the camera's memory card. Select the camera memory card with the smallest capacity that can store 2000.
 - a) 4 GB
 - b) 8 GB
 - c) 16 GB
 - d) 32 GB
5. For each of the binary values below, write down the decimal equivalent. You should include your working.
 - a) 00001011
 - b) 01110110
 - c) 10010111
 - d) 11111111
6. Calculate the binary equivalent of each of the following numbers: You should include your working.
 - a) 34
 - b) 128
 - c) 149
 - d) 201
7. To calculate perform calculation and store data computer user number system.
 - a) Decimal
 - b) Hexadecimal
 - c) Octal
 - d) Binary
8. The largest unit of storage is.....
 - a) GB
 - b) KB
 - c) MB
 - d) TB
9. is approximately one billion bytes.
 - a) Kilobyte
 - b) Gigabyte
 - c) Megabyte
 - d) None of these
10. Which of the following is true?
 - a) Byte is a single digit in binary number.
 - b) Byte is an eight digit binary number.
 - c) Bit is an eight digit binary number.
 - d) None of these

CLASS:-XI

11. How many bits are represented in one byte?
a) 8
b) 16
c) 256
d) 512
12. One megabyte is equal to approximately
a) 1000 bits
b) 1000 bytes
c) 1 million bytes
d) 1 million bits
13. The method to store characters and symbols in bytes is called
a) Number system.
b) Alpha system
c) Byte system
d) Coding system
14. Today's mostly used coding system is
a) ASCII and EBCDIC
b) ASCII
c) EBCDIC
d) All of these
15. Series of eight bits is called
a) Bit
b) Byte
c) Number
d) Kilobyte
16. shows off' state of current in binary code.
a) 1
b) 0
c) 2
d) 5
17. Group of eight bits 10010110 or 01100101 is called
a) Byte
b) Bit
c) Robote
d) None of these
18. The length of any word in a computer is measured in
a) Byte
b) Millimeter
c) Bits
d) None of these
19. _____ measures in megabyte.
a) Intensity of earthquake
b) Capacity of power
c) Memory capacity of computers
d) None of these
20. One kilobyte is equivalent to
a) 1000 byte
b) 1024 byte
c) 100000 byte
d) None of these
21. Generally a computer's memory represented in kilobyte and megabyte and byte is made of
a) Eight binary digit
b) Two binary digit
c) Eight decimal digit
d) Two decimal digit

22. A computer works on a number system.
- a) binary
 - b) octal
 - c) hexadecimal
 - d) none of these
23. Information on a computer is stored as
- a) analog data
 - b) digital data
 - c) watts data
 - d) none of these
24. In the binary language each letter of the alphabet, each number and each special character is made up of a unique combination of
- a) eight bytes
 - b) eight kilobytes
 - c) eight characters
 - d) eight bits
25. The computer abbreviation KB usually means
- a) Key Block
 - b) Kernel Boot
 - c) Kilo Byte
 - d) Kit Bit

Practical:

1. Write a c++ program to calculate average of any 5 numbers.
2. Write a c++ program to solve $(a+b)^2$
3. Write a c++ program to calculate simple interest. $(S.I=P*R*T/100)$

PHE

1. Why physical education is important in the present times?
2. What are the objectives of Physical Education?
3. What is meant by physiology?
4. Describe in briefly the Digestive system.
5. What is the need of psychology in the field of Physical Education?
6. What do you understand by sportsmanship?
7. What are the misconception about Physical Education?
8. What are the effects of exercise on circulatory system?
9. What are the methods of motivation?
10. Give some qualities of a sportsman.

Note:- students consult your book for chapter,4th, career aspects in physical education. Read this chapter at home.

Do regularly exercise and yoga for atleast 30 minutes to stay healthy and fit. Start practical, read rules, regulations, fundamental skills and dimensions of the games.

CLASS:-XI

EVS

1. Make a project on any one topic given below:

- Waste Management
- Wildlife Conservation
- Sewage treatment
- Energy Conservation
- Wetland Management

2. Collect the data and record it in the given format:

- Index
- Acknowledgement
- Introduction
- Theory(Refer books and internet for this)
- Questionnaire/ Case studies
- Graphs/ Diagrams
- Experience
- Conclusion

Do self-study of chapter “Energy resources”. Notes (study material) of this chapter will be provided through the Google classroom. There will be a test on it after summer vacations.