

BSF SENIOR SEC SCHOOL, JAMMU
HOLIDAYS HOMEWORK

CLASS VI

WRITE IT ABBREVIATIONS GIVEN IN LAST PAGE OF THE IT BOOK IN YOUR CLASSWORK COPY AND LEARN THEM

CLASS VII

WRITE IT PERSONALITIES IN YOUR CLASSWORK COPY

CREATE A CHART ON

- a) decimal to binary conversion
- b) binary to decimal conversion

CLASS VIII

WRITE IT ABBREVIATIONS GIVEN IN LAST PAGE OF THE IT BOOK IN YOUR CLASSWORK COPY AND LEARN THEM

CLASS IX

CREATE A COMPILATION IN YOUR COPY ON INPUT AND OUTPUT DEVICES

- a) monitor
- b) printer... impact and non impact
- c) mouse
- d) keyboard with all its keys
- e) flash drive
- f) cd, dvd, blue ray disk
- g) OCR, OMR

CLASS X

WRITE 10 HTML PROGRAMS IN YOUR COPY

THE HOMEWORK IS TO BE SUBMITTED IN FIRST WEEK OF JULY

HOLIDAYS HOMEWORK OF SOCIAL SCIENCE
CLASS - IX

Learn and revise all the chapters taught in the class.

Make a project file on any one of the following :-

- (A) Present scenario of deforestation in India and measure to conserve forest wealth.
- (B) India's physical diversity.
- (C) Importance of democracy in the modern world.
- (D) Farming and non-farming activities practiced in India.

HOLIDAYS HOMEWORK OF ENGLISH
CLASS – IX (2018-19)

1. Learn and revise all the chapters taught in the class.
2. Write a daily diary based on the lesson taught / new items/ important events/ places visited during the holidays.
3. Write and learn three word meanings from the main textbook.

CLASS-IX SCIENCE
2018-19

Q1. Learn all chapters taught in the class.

Q2. Why does the temperature of substance remains constant during its m.p. or b.p?

Q3. Ravi added small amount of common salt to water taken in a graduated cylinder. On dissolution, there was no detectable change in the level of water. Explain why it is so.

Q4. Draw displacement-time graph for the following situation.

1. When body is stationary.
2. When body is moving with uniform velocity.
3. When body is moving with variable velocity.

Q5. A biker rides 700m north, 300m east, 400m north, 600m west, 1200m south, 300m east, and finally 100m north. Draw the path of motion of biker. What distance did he cover? What was his displacement?

Q6. Drive following equation's for a uniformly accelerated motion

1. $v = u + at$
2. $s = ut + \frac{1}{2} at^2$
3. $v^2 - u^2 = 2as$ where the symbols have their usual meaning.

Q7. A truck running 90km/hr is brought to rest over a distance of 25m. Calculate the retardation & time for which breaks are applied.

CLASS IX**HOLIDAYS HOME WORK FOR SUMMER VACATION****SUB : MATHS**

- Q1. DO 20 QUESTIONS OF THE CONCEPT "RATIONALISATION".
- Q2. DO 10 QUESTIONS OF EACH OF THE FOLLOWING LAWS FOR REAL NUMBERS.
- $a^p \times a^q = a^{p+q}$
 - $(a^p)^q = a^{pq}$
 - $\frac{a^p}{a^q} = a^{p-q}$
 - $a^p b^p = (ab)^p$
- Q3. REPRESENT $\sqrt{5}, \sqrt{10}, \sqrt{17}, \sqrt{26}, \sqrt{2.3}$ & $\sqrt{5.3}$ ON NUMBER LINE.
- Q4. EXPLAIN THE CONCEPT "ZERO OF A POLYNOMIAL" WITH THE HELP OF 20 EXAMPLES.
- Q5. DO 10 QUESTIONS OF EACH OF THE FOLLOWING IDENTITY ON FACTORISATION
- $a^2 + b^2 + c^2 + 2ab + 2bc + 2ca = (a + b + c)^2$
 - $a^3 + b^3 + 3ab(a + b) = (a + b)^3$
 - $a^3 + b^3 = (a + b)(a^2 - ab + b^2)$
 - $a^3 - b^3 = (a - b)(a^2 + ab + b^2)$
 - $a^3 + b^3 + c^3 - 3abc = (a + b + c)(a^2 + b^2 + c^2 - ab - bc - ca)$
 - IF $a + b + c = 0$, then $a^3 + b^3 + c^3 = 3abc$
- Q6. FIND THE SQUARE ROOT OF $\sqrt{2}, \sqrt{3}, \sqrt{5}, \sqrt{2.1}$ & $\sqrt{3.5}$ UP TO 5 DECIMAL PLACE.

- USE SEPARATE NOTE BOOK FOR HOLIDAYS HOME WORK.
- DO HOLIDAYS HOMEWORK YOURSELF ONLY, BUT IF YOU FIND PROBLEM THEN ONLY TAKE THE HELP OF YOUR ELDERS.

CLASS : VII SUB :- SCIENCE

- READ CHAPTER 4 AND 5. SELECT ATLEAST 10 QUESTIONS AND 10 KEY WORDS FROM EACH CHAPTERS AND WRITE THEIR ANSWERS.
- COLLECT 5 OR 6 DIFFERENT PICTURES OF ANIMALS WHOSE HAIR ARE USED FOR MAKING WOOL. STICK THEM IN YOUR NOTE BOOK AND NAME IT.
- WRITE DOWN THE ACTIVITY THAT SHOWS THE SALIVA CONTAINS ENZYMES WHICH BREAK DOWN OR CONVERT STARCH INTO SUGAR.
- WRITE DOWN A NOTE ON SWEETS AND TOOTH DECAY.
- DRAW A WELL LABELLED DIAGRAM OF SILKMOTH AND EXPLAIN ITS LIFE HISTORY AND DISCOVERY OF SILK.
- HOW DOES DIGESTION PROCESS COMPLETED IN RUMINANTS?
- EXPLAIN THE VARIOUS STEPS OF NUTRITION IN AMOEBA. ALSO DRAW THE DIAGRAM.

CLASS VII**HOLIDAYS HOME WORK FOR SUMMER VACATION****SUB : MATHS**

- Q1. Explain the following properties with the help of 10 examples of each
- a) Closure Property for integers.
 - b) Commutative Property for Integers.
 - c) Associative Property for integers.
 - d) Additive Identity and Multiplication Identity.
 - e) Additive Inverse and Multiplicative Inverse.
- Q2. Explain the following operation on integers on number line, with the help of 10 examples for each.
- a) Addition
 - b) Subtraction
 - c) Multiplication
- Q3. Explain the following concepts with the help of suitable examples
- a) How $+$ \times $+$ $=$ $+$
 - b) How $+$ \times $-$ $=$ $-$
 - c) How $-$ \times $-$ $=$ $+$
 - d) How $-$ \times $+$ $=$ $-$
- Q4. Explain the operation Addition and Subtraction on Fraction with the help of 10 examples each under the given headings.
- a) Fractions with Similar Denominators.
 - b) Fractions with different Denominators.
- Q5. Explain the concepts of fractions with the help of Paper cutting method (10 examples).

HOLIDAY HOMEWORK**Class VII SUB: SOC SC**

1. Visit a place of Historical important in your state(city)and write a paragraph on the following
(i) Location (ii) Historical Background (iii) Importance
2. Revise chapter thought in the Class and prepare your self for the forth coming paper (P.P.T)

3. Visit any Historical or religious place of your town/country and write its report and importance on your assignment notebook (with pictures)
4. Paste newspaper cutting about changes in climatic conditions that will take place in your city with both written material and small picture. Also mention
 - i) Which is the Hottest day?
 - ii) Which is the Coolest day?
 - iii) On which day highest rainfall take place?
 - iv) On which day lowest rainfall take place?

B.S.F SR. SEC. SCHOOL
HOLIDAY HOMEWORK

CLASS VIII.....General .Knowledge

WRITE CHAPER NUMBER 1-15 OF YOUR GENERAL KNOWLEDGE BOOK IN YOUR COPYHome work to be submitted to MRS PRIYANKA MAKHNOTRA TGT (COMP.SC) IN THE FIRST WEEK OF JULY

SUBJECT- SCIENCE

- Q1.Learn all the chapter which were taught in the class ?
- Q2.Read chapter 4 and 5.select 5 keywords and 5 questions from each chapter with their answers?(Except exercises)
- Q3.Collect different types of seeds (kharif and rabi crop seeds)and put them in small bags and attach there bags in a file and label them?
- Q4.Collect new agricultural machine pictures and paste in a home assignment copy with their names and uses?
- Q5.Collect labels from the bottles of jams and jellies. Write down the list of printed on the labels (At least 3 each)?
- Q6.Describe an activity to show that organic waste is biodegradable while plastic is not?
- Q7.Paste the pictures of any four metals and non metals .the pictures should have information like name of metal/non metal, its physical properties, chemical properties and its uses?

SUBJECT- ENGLISH

- Q1.Learn and revise the syllabus done in class?
- Q2.Notice:
 - (a)Inter-school debate competition ?(Pg 31)
 - (b)Notice for organizing a cultural program to raise funds for an orphanage?(Pg 32)
 - (c) Organizing an inter-school cricket match series?(Pg 33)
 - (d)Water supply will be affected?(Pg 34)
- Q3.Informal letters:
 - (a)Letter to your aunt thanking her for the gift and telling her how much you liked it?(Pg 59)
 - (b)Letter to your friend sharing the experience about trekking experience(Pg 60)
- Q4.Formal letters:
 - (a)Letter to principal of your school asking him to start the facility of evening games in your school?(Pg 64)
- Q5.Articles:
 - (a)Harmful effects of pollution?(Pg 71)
 - (b)Drug abuse- A social evil?(Pg 72)
- Q6.Speech:
 - (a)Machines are good slaves but bad master?(Pg 75)
 - (b)Growing violence among the children?(Pg 77)
 - (c)Create a comic on your own using the story given on Pg 49(Honeydew) topic- The sun and the wind?

SUBJECT- ART

- Q1.Draw and colour and outline of your hand and design mehandi on it?
- Q2.Draw and colour live landscape?
- Q3.Draw and colour historical building/monument?
- Q4.Draw a portrait of a freedom fighter?

SUBJECT- MATH

- Q1.Explain the following properties with the help of 10 examples each:
 - (a)Closure property for rational no.
 - (b)Commutative property for rational no.
 - (c)Associative property for rational no.
 - (d)Distributive property of multiplication over Addition and subtraction for rational no.
- Q2.Explain the concept of rational no. like with the help of 10 examples?
- Q3.Explain different types of quadrilateral and their properties with the help of diagram(Diagram with coloured pipe)?

- Q4. Explain the concept of solution of a linear equation with one variable with the help of 20 examples (Examples must be different from text book)?
- Q5. Solve 10 statement problem related to linear equation in one variable (Example must be different from text book question)?
- SUBJECT- S.S.C
- Q1. Learn all the chapter taught in class and come prepared for P.P.T(FA1)?
- Q2. Make at least 10 objective questions from chapter taught and write them on assignment with answer?
- Q3. Visit any historical place of your town/country. Write its report and importance of it and write it on your assignment copy with pictures?
- Q4. Collect the pictures of any 2 of the following and write their life sketch:
- (a) Rani lakshmi bai of Jhansi
 (b) Maharaja ranjit singh
 (c) Dr. B.R. ambedkar
 (d) Tipu sultan (On separate file)

HOLIDAYS HOMEWORK OF ENGLISH

CLASS – X (2018-19)

1. Learn and revise all the chapters taught in the class.
2. Write a daily diary based on the lesson taught / new items/ important events/ places visited during the holidays.
3. Write and learn three word meanings from the main textbook.

CLASS X

HOLIDAYS HOME WORK FOR SUMMER VACATION

SUB : MATHS

Q1. EXPLAIN GRAPHICALLY WITH THE HELP OF 5 EXAMPLES ON EACH OF THE FOLLOWING CONCEPT ON LINEAR EQUATIONS IN TWO VARIABLES

- IF $\frac{a_1}{a_2} \neq \frac{b_1}{b_2}$, then the lines intersect each other.
- IF $\frac{a_1}{a_2} = \frac{b_1}{b_2} \neq \frac{c_1}{c_2}$, then the lines do not intersect each other.
- IF $\frac{a_1}{a_2} = \frac{b_1}{b_2} = \frac{c_1}{c_2}$, then the lines are coincident lines.

Q2. DRAW THE GRAPH OF FOLLOWING EQUATIONS ON GRAPH PAPER

- $x = 0$.
- $y = 0$.
- $x = 1$.
- $x = y$.
- $x + y = 0$.
- $y - 5 = 0$.
- $2x + 3y = 5$.

Q3. SOLVE 10 EXAMPLES OF FINDING THE L.C.M AND H.C.F. OF THREE DIFFERENT NUMBERS AND VERIFY THE FOLLOWING RESULTS:

- $L.C.M (P,Q,R) \times H.C.F (P,Q,R) \neq P \times Q \times R$
- $L.C.M (P,Q,R) = \frac{P \times Q \times R \times HCF(P,Q,R)}{HCF(P,Q) \times HCF(R,Q) \times HCF(P,R)}$
- $H.C.F (P,Q,R) = \frac{P \times Q \times R \times LCM(P,Q,R)}{LCM(P,Q) \times LCM(R,Q) \times LCM(P,R)}$

Q4. PROVE BY CONTRADICTION METHOD THAT TWO DISTINCT LINES IN A PLANE CANNOT INTERSECT IN MORE THAN ONE POINT.

Q5. SOLVE 10 DIFFERENT TYPES OF EXAMPLES RELATED TO CONCEPT " $HCF(A, B) LCM(A, B) = A \times B$."

Q6. SOLVE 5 STATEMENT PROBLEMS OF LINEAR EQUATIONS IN TWO VARIABLES ON EACH OF THE FOLLOWING TOPICS

- PROBLEMS ON AGES
- PROBLEMS BASED ON DISTANCE AND SPEED
- PROBLEMS BASED ON TIME AND WORK
- PROBLEMS BASED ON TWO DIGIT NUMBERS.

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- USE SEPARATE NOTE BOOK FOR HOLIDAYS HOME WORK.
 - DO HOLIDAYS HOMEWORK YOURSELF ONLY, BUT IF YOU FIND PROBLEM THEN ONLY TAKE THE HELP OF YOUR ELDERS.

1. Learn all the chapters of Social Science done in the class and come prepared for PPT (FA1)
2. Make at least 10 one-word or one-line questions from each chapter and write them in your Assignment notebook.
3. Practice Maps and paste them in your Assignment and Class-Work notebook.

(PROJECT WORK)

Class will be divided into 3 Groups

Topic = Disaster Management

- Save Water or Jal Hai Toh Kal Hai
- Wild Life Conservation
- Global warming and its effect

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Subject - Biology

Class- X

Define the following terms :- Pleura, Glycolysis, Spiracles, Tenticels, Cutaneos, Respiration, Pericardium, Double Circulation

- Read the topics of lesson Life Processes – ‘Translocation’ and ‘Respiration’. & Excretion Select 10 questions from each topic and write their answers.
- Draw the labeled diagram of Human respiratory System, Human Heart, Excretory System of human and nephron.
- How will you demonstrate that chlorophyll is essential for photosynthesis?
- Describe the working of Artificial Kidney (Dialysis).

State the functions of the following in the alimentary canal liver , Gall bladder, Pancreas, Villi, Salivary glands, oesophagus, colon.

