

DAV International School, Amritsar
Holiday Home Work (Session 2019-20)
Class-X

**“Let thy spirit be free in this vacation,
Let thy personality be chiselled with motivation;
Let thy senses be rejuvenated,
Let thy minds be ignited”**

**This amalgamation will lead to immense happiness
and bliss as....**

**“Happiness is not something readymade; rather it
comes from your own actions.”**

Summer Vacation is like a scintillating period as it provides relaxation to you and gives you an opportunity to learn new things, hone your skills and to know yourself. It's time to bring out your creativity.

So, holiday's home work is designed in a way to make learning not only interesting but also creative.

Some handy tips to have a fruitful vacation:-

- Read books! May it be fables, fairy tales, encyclopaedias or comic books. Explore the imagination world and go on a fantasy tour.
- Run, exercise, sweat! Channelize your energy, build team spirit and enjoy playing challenging physical games.
- Enhance your communication skills by conversing with your friends and family in English.
- Explore the culture and heritage of your city by visiting heritage sites.
- Inculcate good manners and healthy habits.
- Parents can be facilitators for the child at home but let the child complete his/her work independently and in his/her own handwriting.

Summer vacation schedule:

- For class X from June 1 to July 2, 2019
- School will reopen on July 3, 2019
- School timings: 8:00 am to 2:00 pm

Kindly Note:-Paper of X (Maths) will be conducted on July 3, 2019

Holiday's Homework

Note: - Holiday's Homework of all the subjects to be done in one notebook.

Revise the syllabus of all the subjects covered so far.

Holiday's home work is also available on **School Website & Snap homework App** of your respective classes.

ENGLISH

STRIVE FOR PROGRESS, NOT PERFECTION

1. Write an Article in 150 words :- (i) Social Networking Sites
(ii) Coping with stress
2. You are Rahul/ Rahini. Recently you visited a few slums and you were pained by the lack of literacy of the people living there. Write a letter to the Editor of a National daily showing your concern and highlighting “Literacy-the need of an hour”.
3. Nelson Mandela once said “the greatest glory in living lies not , in never falling but in rising every time you fall.” Write a short story about someone who failed at something but found the strength to get up, fight back and be successful.
4. Write the meaning with example of the following proverbs:-

PROVERB	Birds of a feather flock together
MEANING	
EXAMPLE	
PROVERB	Don't count your chickens before they hatch
MEANING	
EXAMPLE	
PROVERB	Don't put too many things in the fire
MEANING	
EXAMPLE	
PROVERB	Fortune favours the bold
MEANING	
EXAMPLE	
PROVERB	The grass is always greener on the other side
MEANING	
EXAMPLE	

5. The following Passage has not been edited .Thee is an error in each line against which a numeral is given .write the incorrect word the correction in the space provided.

	Incorrect	Correct	
Amongst young peoples, motorcyclists and scooterists are the great cause of danger.	eg..	peoples	people
1. They often try to show of by driving	(a)	.....	.....
2. at break-neck speed; they risk there own	(b)	.....	.....
3. life as well as that of other.	(c)	.....	.....
4. Rash driving is one of the greatest cause	(d)	.....	.....
5. of road accidents. Bicyclists are also involving in	(e)	.....	.....
6. a lot of accidents. While driving along with the road or at the cross roads, they should be	(f)	.....	.....
7.	(g)	.....	.....

Punjabi:

ਬਹੁ-ਵਿਕਲਪੀ ਵਾਲੇ ਪ੍ਰਸ਼ਨਾਂ ਦੇ ਉੱਤਰ ਕਹਾਣੀ ਅਤੇ ਵਾਰਤਕ

੧. ਰਜਨੀ ਦੀ ਉਮਰ ਕਿੰਨੀ ਸੀ?

(ੳ) ਨੌਂ- ਦਸ ਸਾਲ (ਅ).ਸੱਤ- ਅੱਠ ਸਾਲ (ੲ) ਗਿਆਰਾਂ-ਬਾਰਾਂ ਸਾਲ (ਸ) ਅੱਠ-ਨੌਂ ਸਾਲ

੨. ਰਜਨੀ ਦੀ ਸਹੇਲੀ ਦਾ ਕੀ ਨਾਮ ਸੀ?

(ੳ) ਪੂਜਾ (ਅ) ਪਿੰਕੀ (ੲ) ਰਾਣੀ (ਸ) ਸਨੇਹਾ

੩. ਰਜਨੀ ਦਾ ਪਾਤਰ ਸਾਨੂੰ ਕੀ ਸਿੱਖਿਆ ਦਿੰਦਾ ਹੈ?

(ੳ) ਪਾਠ ਯਾਦ ਕਰਨ ਦੀ (ਅ) ਖੁਸ਼ ਰਹਿਣ ਦੀ (ੲ) ਹੌਸਲੇ ਅਤੇ ਦਲੇਰੀ ਦੀ (ਸ) ਸ਼ਾਂਤ ਰਹਿਣ ਦੀ

੪. ਵੱਡੇ ਤੋਂ ਵੱਡੇ ਸੰਕਟ ਨੂੰ ਕਿਵੇਂ ਅਸਾਨ ਕੀਤਾ ਜਾ ਸਕਦਾ ਹੈ?

(ੳ) ਡਰ ਕੇ (ਅ) ਦ੍ਰਿੜ ਨਿਸ਼ਚਾ ਤੇ ਹਿੰਮਤ ਕਰਕੇ (ੲ) ਰੌਲਾ ਪਾ ਕੇ (ਸ) ਚੁੱਪ ਰਹਿ ਕੇ

੫. ਰਜਨੀ ਨੇ ਕੀ ਮਹਿਸੂਸ ਕੀਤਾ?

(ੳ) ਤਾਕਤ ਦੁਗਣੀ ਹੋ ਗਈ (ਅ) ਰੋਣ ਲੱਗ ਪਈ (ੲ) ਦੂਰ ਦੌੜ ਗਈ (ਸ) ਦੁਖੀ ਹੋ ਗਈ

੬. ਸਕੂਲ ਦੇ ਸੇਵਾਦਾਰ ਦਾ ਕੀ ਨਾਮ ਸੀ?

(ੳ) ਰਘੂਨਾਥ (ਅ) ਪ੍ਰਾਣ ਨਾਥ (ੲ) ਰਾਮ ਨਾਥ (ਸ) ਦੀਨਾ ਨਾਥ

੭. ਸੱਪ ਕਿਹੜੇ ਪੀਰੀਅਡ ਵਿੱਚ ਜਮਾਤ ਵਿੱਚ ਦਾਖਲ ਹੋਇਆ?

(ੳ) ਹਿੰਦੀ (ਅ) ਅੰਗਰੇਜ਼ੀ (ੲ) ਪੰਜਾਬੀ (ਸ) ਕੋਈ ਨਹੀਂ

੮. ਟਰੈਕਿੰਗ ਦੌਰਾਨ ਕਿਹੜੀਆਂ ਕੁੜੀਆਂ ਪਿੱਛੇ ਰਹਿ ਗਈਆਂ ਸਨ?

(ੳ) ਅੰਮ੍ਰਿਤਸਰ ਜ਼ਿਲ੍ਹੇ ਦੀਆਂ (ਅ) ਬਠਿੰਡੇ ਜ਼ਿਲ੍ਹੇ ਦੀਆਂ (ੲ) ਲੁਧਿਆਣੇ ਜ਼ਿਲ੍ਹੇ ਦੀਆਂ (ਸ) ਤਰਨ ਤਾਰਨ ਜ਼ਿਲ੍ਹੇ ਦੀਆਂ

੯. ਲੇਖਕ ਹੋਰੀਂ ਕਿੰਨਾ ਚਿਰ ਬਰਫ ਤੇ ਗੁਆਚੇ ਰਹੇ ਸਨ?

(ੳ) ਤਿੰਨ ਦਿਨ-ਚਾਰ ਰਾਤਾਂ (ਅ) ਚਾਰ ਦਿਨ - ਤਿੰਨ ਰਾਤਾਂ (ੲ) ਦੋ ਦਿਨ-ਇੱਕ ਰਾਤ (ਸ) ਇੱਕ ਦਿਨ- ਦੋ ਰਾਤਾਂ

੧੦. ਝਰਨਾ ਪਾਰ ਕਰਨ ਤੋਂ ਬਾਅਦ ਕੀ ਅਲੋਪ ਹੋ ਗਿਆ ਸੀ?

(ੳ) ਹਵਾ (ਅ) ਧੁੱਪ (ੲ) ਚਾਨਣ (ਸ) ਹਨੇਰਾ

੧੧. ਨਵ-ਵਿਆਹੀ ਕੁੜੀ ਦੀ ਗੁੱਤ ਕਿਸ ਤਰ੍ਹਾਂ ਸਜੀ ਹੋਈ ਸੀ?

(ੳ) ਸ਼ੀਸ਼ਿਆਂ ਤੇ ਮਣਕਿਆਂ ਵਾਲੀ (ਅ) ਪਰਾਂਦੇ ਵਾਲੀ (ੲ) ਕੌਡੀਆਂ ਵਾਲੀ (ਸ) ਲਿਸ਼ਕਣੀ

੧੨. ਲੇਖਕ ਨੇ ਕਿਸ ਵੱਲ ਇਸ਼ਾਰਾ ਕਰਕੇ ਸੇਲਾਂਗ ਵਾਦੀ ਦੇ ਆ ਜਾਣ ਬਾਰੇ ਦੱਸਿਆ?

(ੳ) ਵੱਡੀ ਪਹਾੜੀ (ਅ) ਬਰਫੀਲੇ ਪਹਾੜ (ੲ) ਲਾਲ ਕੋਠੀ (ਸ) ਉੱਚੀ ਕੋਠੀ

੧੩. ਬਠਿੰਡੇ ਜ਼ਿਲ੍ਹੇ ਦੀ ਗਰੁੱਪ ਲੀਡਰ ਕੌਣ ਸੀ?

(ੳ) ਨੀਨਾ (ਅ) ਨੇਨਾਂ (ੲ) ਨੋਨਾ (ਸ) ਨੈਣਾ

੧੪. ਪਹਾੜੀ ਪੰਛੀ ਕੌਣ ਵੇਖਣਾ ਚਾਹੁੰਦਾ ਸੀ?

(ੳ) ਰਾਣੀ (ਅ) ਰਾਜ ਰਾਣੀ (ੲ) ਰੇਖਾ ਰਾਣੀ (ਸ) ਰੂਪ ਰਾਣੀ

੧੫. ਟਰੈਕਿੰਗ ਵਿੱਚ ਭਾਗ ਲੈਣ ਲਈ ਕਿਹੜੇ ਰਾਜ ਤੋਂ ਕੁੜੀਆਂ ਆਈਆਂ ਸਨ?

(ੳ) ਹਰਿਆਣਾ (ਅ) ਹਿਮਾਚਲ ਪ੍ਰਦੇਸ (ੲ) ਜੰਮੂ (ਸ) ਪੰਜਾਬ

੧੬. ਕਿਹੜੇ ਪਿੰਡੇ ਲੰਘਦਿਆਂ ਲੇਖਕ ਨੂੰ ਚਾਰਟ ਵਾਲੀ ਘਟਨਾ ਯਾਦ ਆਈ?

(ੳ) ਹਲਦਵਾਨੀ (ਅ) ਰੋਹਤਾਂਗ (ੲ) ਵਸ਼ਿਸ਼ਟ (ਸ) ਰਾਮਪੁਰ

੧੭. ਖਾਣੇ ਦਾ ਪ੍ਰਬੰਧ ਕਿਸ ਨੇ ਕੀਤਾ

(ੳ) ਸਮਾਘ (ਅ) ਗਰਗ (ੲ) ਰਾਹੁਲ (ਸ) 'ੳ', 'ਅ' ਦੋਵੇਂ

੧੮. ਲੇਖਕ ਪੱਤਰਕਾਰ ਕੁੜੀਆਂ ਦੀ ਕਿਹੜੀ ਗੱਲ ਤੋਂ ਪ੍ਰਭਾਵਿਤ ਹੋਇਆ ਸੀ?

(ੳ) ਅਨੁਸ਼ਾਸਨ (ਅ) ਭੋਲੇਪਣ (ੲ) ਰਹਿਣ-ਸਹਿਣ (ਸ) ਲਹਿਜ਼ੇ

੧੯. ਕਾਫਲਾ ਕਿਸ ਵਿਚਕਾਰੋਂ ਲੰਘਿਆ ਸੀ?

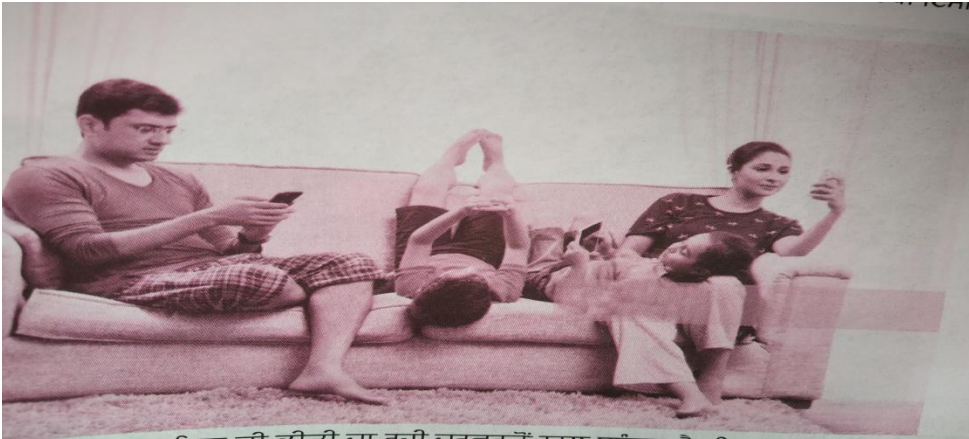
(ੳ) ਨਦੀਆਂ (ਅ) ਪੱਥਰਾਂ (ੲ) ਗੁਫਾਵਾਂ (ਸ) ਝੀਲਾਂ

੨੦. ਤਿਬਤੀਆਂ ਦੇ ਵਿਆਹ ਵਿੱਚ ਕੁੜੀਆਂ ਨੇ ਕੀ ਕੀਤਾ?

(ੳ) ਰੌਲਾ ਪਾਇਆ (ਅ) ਗਿੱਧਾ ਪਾਇਆ (ੲ) ਭੰਗੜਾ ਪਾਇਆ (ਸ) ਸੁਹਾਗ ਗਾਏ।

੧. 'ਕੌਮੀ ਏਕਤਾ' ਵਿਸ਼ੇ ਤੇ ਆਪਣੇ ਵਿਚਾਰ ਪੇਸ਼ ਕਰੋ। (੪੦੦ - ੫੦੦ ਸ਼ਬਦ)

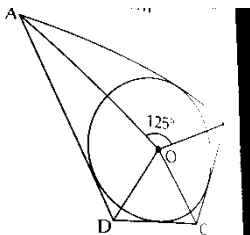
੨. ਚਿੱਤਰ ਦੇ ਅਧਾਰ ਤੇ ਵਰਣਨ ਕਰੋ। (੫੦ ਸ਼ਬਦਾਂ ਵਿੱਚ)



Mathematics:

Simplify and answer the following questions:

- "The values of the remainder r , when a positive integer 'a' is divided by 3 are 0 and 1 only." True or false. Justify your answer.
- If 3 is the least prime factor of a number p and 7 is the least prime factor of a number q then find the least prime factor of $p + q$.
- If α and β are the zeroes of the polynomial $3x^2 + 5x + k$ such that $\alpha^2 + \beta^2 + \alpha\beta = 19/9$, then find the value of k .
- If the zeroes of a quadratic polynomial $ax^2 + bx + c$ are equal, then what can you say about signs of c and a ?
- Frame a set of homogeneous equations having a non zero solution.
- Two straight paths are represented by the equations $x - 3y = 2$ and $-2X + 6Y = 5$. Check whether paths cross each other or not.
- If k is a natural number and the roots of the equation $x^2 + 11x + 6k = 0$ are rational numbers, then find the smallest value of k .
- If the sum and product of roots of the equation $x^2 + 6x + 4k = 0$ are equal, then find the value of k .
- In figure, if $\angle AOB = 125^\circ$ then find the measure of $\angle COD$.



- Two circles touch each other externally at P . AB is a direct common tangent touching them at A and B . Then find the measure of angle APB .
- Show that 15^n cannot end with digits 0, 2, 4, 6 or 8 for any natural number n .
- If α and β are the zeros of the polynomial $f(x) = ax^2 + bx + c$ then evaluate $1/\alpha - 1/\beta$.
- Find those integral values of m for which the x -coordinate of the point of intersection of lines represented by $y = mx + 1$ and $3x + 4y = 9$ is an integer.
- To fill a swimming pool, two pipes are used if the pipe of larger diameter is used for 4 hours and the pipe of smaller diameter for 9 hours, only half of the pool can be filled. Find how long it

would take for each pipe to fill the pool separately if the pipe of smaller diameter takes 10 hours more than the pipe of larger diameter to fill the pool.

15. If hexagon ABCDEF circumscribes a circle, prove that $AB + CD + EF = BC + DE + FA$.

Science

Biology:

Q. 1 In which of the following groups of organisms, food material is broken down outside the body and absorbed?

- (a) Mushroom, green plants, *Amoeba*
- (b) Yeast, mushroom, bread mould
- (c) *Paramecium*, *Amoeba*, *Cuscuta*
- (d) *Cuscuta*, lice, tapeworm

Q2: In which of the following vertebrate group/groups, heart does not pump oxygenated blood to different parts of the body?

- (a) Pisces and amphibians
- (b) Amphibians and reptiles
- (c) Amphibians
- (d) pisces only

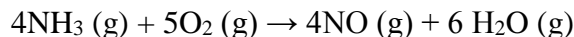
Q3: What are the adaptations of leaf for photosynthesis?

Q4: What causes movement of food inside the alimentary canal?

- **Draw well labelled diagrams of**
- Human Heart
- Schematic representation of transportation and exchange of oxygen and carbondioxide
- Different stages of nutrition in *Amoeba*
- Stomatal pore (open and closed)
- **Frame 2 Questions from chapter 6.**

CHEMISTRY

Q5. The following reaction is an example of a



1. Displacement reaction
2. Combination reaction
3. Redox reaction
4. Neutralisation reaction

- (a) 1 and 4
- (b) 2 and 3
- (c) 1 and 3
- (d) 3 and 4

Q6. Which of the following are exothermic processes?

1. Reaction of water with quick lime
2. Dilution of an acid
3. Evaporation of water
4. Sublimation of camphor (crystals)

- (a) 1 and 2
- (b) 2 and 3
- (c) 1 and 4
- (d) 3 and 4

Q7. State one industrial application of reduction process.

- Draw a well labelled diagram to show Electrolysis of water.
- Frame 2 Questions from chapter 1.

Physics:

- 1) The magnification for a plane mirror is $m = +1$. What does this signify? Write two points for its significance. (1M)
- 2) You are provided with two lenses of focal length 20 cm and 40 cm respectively. Which lens will you use to obtain more convergent light and why? (1M)
- 3) Can a convex lens behave as a diverging lens? If yes, how and if no why? (1M)
- 4) What is the focal plane of a concave mirror?
 - (a) A plane perpendicular to the principal axis at focal point
 - (b) A plane along the principal axis
 - (c) A plane at an angle to principal axis
 - (d) none of the above(1M)
- 5) A ray of light falls on a plane mirror at an angle θ . After reflection, the angle of deviation is
 - (a) 2θ
 - (b) $180 - 2\theta$
 - (c) θ
 - (d) $180 - \theta$(1M)

Social Science

Geography:

Answer the following questions:

- 1) Name a state in which terrace farming is practiced to conserve the soil.
- 2) What is the extent of territorial waters of India?
- 3) Define the terms: 'net sown area and fallow land'.
- 4) Why should 33% of forest area be maintained in a country?
- 5) "Sustainable development is the need of the hour." give one reason to justify the statement
- 6) On the political map of India locate and label: ***the areas of alluvial soil, mountain soil, red soil***

Civics:

Answer the following questions:

- 1) After independence, Sri Lanka witnessed the supremacy of which community?
- 2) Name the official language and religion of Sri Lanka.
- 3) What is the official post for the chairperson of a municipal corporation?
- 4) Name the highest tier of panchayati raj.
- 5) Who makes laws on the subjects like foreign affairs and defence?

Economics :

Q1. Things like equal treatment, freedom, security and respect of others are:-

- a) Material things b) Non material things c) Income d) Growth

Q2. Per capita income refers to :-

- a) Whole income b) Average income c) National Income d) None of these

Q3. Literacy measures the proportion of literate population in the -----age group.

- a) 5 and above b) 6 and above c) 7 and above d) 8 and above

Q4. Tertiary Sector is also known as-----

- a) Services Sector b) Agriculture c) Trade d) None of these

Q5. The share of tertiary sector to the GDP has increased but the contribution of which sector to employment is highest at present-----

- a) Primary b) Tertiary c) Secondary d) None of these

HISTORY:

Answer the following questions:

1.

- What is meant by forced recruitment?
- What was the reason for forming Swaraj Party?
- Which two factors shaped Indian politics towards late 1920?
- What does the 'sense of collective belonging' mean?
- Who was Khan Abdul Gaffar Khan?

2. On the political outline map of India locate and label the following places:

- The place where the Indian National Congress session was held in 1927.
- The place where the Indian National Congress session was held in September 1920.
- The place where the movement of Indigo planters was organized.
- The place associated with the calling off the Non-cooperation Movement.
- The place from where the Civil-Disobedience Movement was started.
- The place associated with the cotton mill workers satyagraha.

Please note: "Frame questions of each chapter other than done and discussed in class".

Information Technology (402)

- Which of the following is an E-Mail service?
a) Whatsapp b) Gmail c) Wechat d) Facebook
- Business is a (an) _____ activity.
a) Social b) Economic c) Political d) Emotional
- What are the basic features of a Mobile device?
- What are Green Skills?
- List any five Self-Management skills.
- List three things you will do for personal grooming in each CARE, WASH and AVOID to keep clean.
- What are Green Jobs?
- Opportunities are everywhere. You need to look for them/spot them. Do you have any ideas/ have you seen any opportunity in your surrounding that you too can use to start a Business? Write your idea below.
- Describe any three methods of Water Conservation?
- List the steps to search for information using a Web Browser.

Note: Frame two questions from unit 1 & unit 2 other than done and discussed in class.

विषय – हिन्दी

कार्यपत्रिका

• निर्देशानुसार उत्तर लिखिए :-

1. रचना के आधार पर वाक्य का भेद बताएँ :-

- (क) हमें मुसीबत के समय घबराना नहीं चाहिए।
(ख) जैसे ही पौधों को पानी दिया गया वैसे ही वे हरे हो गए।
(ग) जापान वह देश है जिसकी गणना परिश्रमी देशों में की जाती है।
(घ) उसने बहुत कोशिश की परन्तु प्रथम पुरुस्कार न जीत सका।
(ङ) पर्यावरण को क्षति पहुंचाना अक्षम्य अपराध है।

2. इसी नदी में कभी नावें चलती थीं। (मिश्र वाक्य में बदलें।)
3. अत्याचार बढ़ने पर लोगों का गुस्सा फूट पड़ता है। (संयुक्त वाक्य में बदलें।)
4. सुमन बाज़ार गई और उसने उपहार खरीदा। (सरल वाक्य में बदलें।)

• वाच्य बदलें:-

1. बीमार व्यक्ति काम नहीं कर सकता। (कर्मवाच्य में)
2. खिलाड़ी से दौड़ा नहीं गया। (कर्तृवाच्य में)
3. विभोर हँसता है। (भाव वाच्य में)
4. वे घूमने जाते हैं। (भाव वाच्य में)

• निम्नलिखित वाक्यों में रेखांकित पदों का परिचय लिखिए:-

1. नानी ने कहानी सुनाई।
2. पक्षी आकाश में उड़ते हैं।
3. वह पढ़ चुकी है।
4. मैं रातभर पढ़ता रहा।

• प्रश्न निर्माण

पाठ-नेताजी का चश्मा , बालगोबिन भगत, सूरदास (कविता) और माता का अंचल (कृतिका) को ध्यानपूर्वक पढ़कर प्रत्येक पाठ पर आधारित दो-दो प्रश्नों का निर्माण करें। ये प्रश्न अभ्यास के प्रश्नों से अतिरिक्त होने चाहिए।

• विज्ञापन

किसी भी हिन्दी समाचार पत्र में से किन्हीं दो विज्ञापनों का चुनाव करें और उनके आधार पर 25 से 50 शब्दों में आकर्षक विज्ञापन लिखिए।

Project of Social Science Class x

Choose any one topic of the following projects :

1) Consumer awareness

2) Social issues

- a) Corruption ,
- b) Lack of education
- c) Discrimination
- d) Lack of education
- e) Discrimination
- f) Poverty

3) Sustainable development

Distribution of marks for the project (5 marks)

- 1) Content accuracy, originality and analysis - 2 marks
- 2) Creativity -2 marks
- 3) Viva voce -1 marks

The project should contain the following topics

- a) Introduction
- b) Content
- c) Acknowledgement
- d) detailed description
- e) Conclusion
- f) bibliography
- g) Performa
- h) teachers remarks

General Instructions

- 1) The project should be handwritten
- 2) The student should be creative and innovative while doing the project
- 3) It should be deposited to the teacher in spiral binding form
- 4) It should be covered within 15 to 20 sheets only
- 5) Project should be very innovative and creative

Have a great vacation. May each day of your vacation hold something special and you have wonderful memories and exciting time.