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

"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 a scintillating period as it provides relaxation to you and also 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 classes IX 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 IX (Social Science) 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:

"It always seems Impossible until it's Done"

1. Write an Article in 150 words:- (i) Social media and youth
                                    (ii) Brain Drain in India
2. Write a short story in 250 words and provide a suitable title.
   They didn't mean to, but in an attempt to a time travelling machine and they discovered an alternate universe and were accidently trapped there……
3. Write the message conveyed by the poet in "Rain on the Roof" and "Wind".
4. The following passages have not been edited. There is one error in each word and the correction against the correct question number. Remember you have supplied. One is done as an example

We live in times when incomes is rising.	eg: is	are
The economic boom of the last 25 years have	(a) ……	……...
created a grow tribe of erstwhile-middle	(b) ……	………
Class-turned-HNIs who earn much many than	(c) ……	………
they can spend. Born on the inflation	(d) ……	………
and scarcity-stricken 1960s and 70s, this well-paid adults	(e) ……	……...
enjoy their new wealth, but is conservative in	(f) …...	………
their spending and investing habits. They swing	(g) ……	………
among confidence and caution when it comes to money.	(h) ……	………

Punjabi:

ਬਹੁ-ਵਿਕਲਪੀ ਵਾਲੇ ਪ੍ਰਸ਼ਨਾਂ ਦੇ ਉੱਤਰ
ਕਹਾਣੀ ਅਤੇ ਵਾਰਤਕ

੧. ਕਣਕ ਦੀ ਫਸਲ ਕਦੋਂ ਵੱਢੀ ਜਾਂਦੀ ਹੈ ?
   (ੳ) ਸਾਉਣ (ਅ) ਵਿਸਾਖ (ੲ) ਅੱਸੂ (ਸ) ਜੇਠ

੨. ਲੋਕ ਭਾਈ ਜੀ ਕਿਸ ਨੂੰ ਕਹਿੰਦੇ ਸਨ ?
   (ੳ) ਜਿਊਣੇ ਨੂੰ (ਅ) ਬਚਨ ਸਿੰਘ ਨੂੰ (ੲ) ਸੱਦਾ ਸਿੰਘ ਨੂੰ (ਸ) ਇਹਨਾਂ ਵਿੱਚੋਂ ਕੋਈ ਨਹੀਂ

੩. ਜਿਊਣੇ ਦੇ ਹੱਥੋਂ ਕਤਲ ਕਿਸ ਕਾਰਨ ਹੋਇਆ ਸੀ ?
   (ੳ) ਗੁੱਸਾ ਆ ਜਾਣ ਕਾਰਨ (ਅ) ਕਿਸੇ ਦੀਆਂ ਗੱਲਾਂ ਵਿੱਚ ਆ ਜਾਣ ਕਾਰਨ (ੲ) ਭਰਾ ਨੂੰ ਬਚਾਉਣ ਕਾਰਨ
   (ਸ) ਪੈਸਾ ਆ ਜਾਣ ਕਾਰਨ

੪. ਜਿਊਣਾ ਖੂਹ ਤੇ ਕੀ ਸਿੰਝਣ ਗਿਆ ਸੀ ?
   (ੳ) ਝੋਨਾ (ਅ) ਕਮਾਦ (ੲ) ਮੱਕੀ (ਸ) ਕਪਾਹ

੫. ਸੱਦਾ ਸਿੰਘ ਬਲਦਾਂ ਅੱਗੇ ਕਿਵੇਂ ਖੜ੍ਹਾ ਹੋ ਗਿਆ ਸੀ ?
   (ੳ) ਛਾਤੀ ਤਾਣ ਕੇ (ਅ) ਬੰਦੂਕ ਤਾਣ ਕੇ (ੲ) ਡਾਂਗ ਲੈ ਕੇ (ਸ) ਇਹਨਾਂ ਵਿੱਚੋਂ ਕੋਈ ਨਹੀਂ

੬. ਜਿਊਣਾ ਪਹਿਲਾਂ ਕਿੱਥੇ ਲੁਕਿਆ ਸੀ ?
   (ੳ) ਖੂਹ ਤੇ (ਅ) ਚੁਬੱਚੇ ਵਿੱਚ (ੲ) ਕਣਕ ਦੇ ਖਲਵਾੜੇ ਵਿੱਚ (ਸ) ਮੱਕੀ ਦੇ ਖੇਤ ਵਿੱਚ

੭. ਜਿਊਣੇ ਨੂੰ ਕੀ ਬੁਰਾ ਲੱਗਦਾ ਸੀ ?
   (ੳ) ਜ਼ਿਆਦਾ ਬੋਲਣਾ (ਅ) ਚੁੱਪ ਰਹਿਣਾ (ੲ) ਝਗੜੇ ਅਤੇ ਲੜਾਈ ਫਸਾਦ (ਸ) ਪਾਠ ਕਰਨਾ

੮. ਬਚਨ ਸਿੰਘ ਕਹੀ ਨਾਲ ਕੀ ਕਰ ਰਿਹਾ ਸੀ ?
   (ੳ) ਗੋਡੀ ਕਰ ਰਿਹਾ (ਅ) ਬੰਨ੍ਹਾ ਪੁੱਟ ਰਿਹਾ (ੲ) ਖਾਲ ਸੁਆਰ ਰਿਹਾ (ਸ) ਸੱਦਾ ਸਿੰਘ ਨੂੰ ਮਾਰ ਰਿਹਾ ਸੀ

੯. ਜਿਊਣਾ ਕਿਸ ਤਰ੍ਹਾਂ ਦਾ ਬੰਦਾ ਸੀ ?
   (ੳ) ਸ਼ਰੀਫ (ਅ) ਢੀਠ (ੲ) ਬਦਮਾਸ਼ (ਸ) ਲਾਲਚੀ

੧੦. ਜਿਊਣੇ ਅਨੁਸਾਰ ਪੁਲਿਸ ਕਿਸ ਵਾਂਗ ਕੁੱਟਦੀ ਹੈ ?
   (ੳ) ਸਿੱਟੀ ਵਾਂਗ (ਅ) ਝੋਨੇ ਵਾਂਗ (ੲ) ਛੋਲਿਆਂ ਵਾਂਗ (ਸ) ਮੱਕੀ ਵਾਂਗ

੧੧. ਕਬੱਡੀ ਦੇ ਨਾਮ ਵਿੱਚ ਕੀ ਹੈ ?
   (ੳ) ਮਿਠਾਸ (ਅ) ਝਰਨਾਹਟ (ੲ) ਪਿਆਰ (ਸ) ਤਾਕਤ

੧੨.ਪੰਜਾਬ ਸਟਾਇਲ ਕਬੱਡੀ ਵਿੱਚ ਮੈਚ ਦਾ ਸਮਾਂ ਕਿੰਨਾ ਹੁੰਦਾ ਹੈ ?

    (ੳ) ੨੦+੧੦+੨੦ (ਅ) ੨੫+੧੦+੨੫ (ੲ) ੩੦+੫+੩੦ (ਸ) ੨੦+੫+੨੦

੧੩.ਕਿਸ ਨੂੰ ਦੋਸਤ –ਮਿੱਤਰ 'ਘੁੱਗਾ' ਕਹਿੰਦੇ ਸਨ ?

    (ੳ) ਮਲਕ ਮੁਸ਼ਤਾਕ ਨੂੰ (ਅ) ਬਾਬੂ ਹਰਬੰਸ ਲਾਲ ਨੂੰ (ੲ) ਸੰਤੋਖ ਸਿੰਘ ਨੂੰ (ਸ) ਗੁਲਜ਼ਾਰ ਅਲੀ ਨੂੰ

੧੪.ਕਿਰਪਾਲ ਸਿੰਘ ਸਾਧ ਕਬੱਡੀ ਟੀਮ ਦਾ ਕਪਤਾਨ ਬਣ ਕੇ ਪਾਕਿਸਤਾਨ ਮੈਚ ਖੇਡਣ ਕਦੋਂ ਗਿਆ ਸੀ ?

    (ੳ) ੧੯੫੨ਵਿੱਚ (ਅ) ੧੯੫੫ ਵਿੱਚ (ੲ) ੧੯੪੫ ਵਿੱਚ (ਸ) ੧੯੩੦ ਵਿੱਚ

੧੫.ਸੁਲਤਾਨ ਸ਼ਾਹ ਆਦੇ ਵਾਲੇ ਨੂੰ ਇਨਾਮ ਵਜੋਂ ਕਿੰਨੇ ਮੁਰੱਬੇ ਜ਼ਮੀਨ ਦਿੱਤੀ ਸੀ ?

    (ੳ) ੧੦ (ਅ) ੫ (ੲ) ੨ (ਸ) ੩

੧੬.ਕਿਸ ਕੌਡੀ ਵਿੱਚ ਦਾਇਰਾ ਬਹੁਤ ਤੰਗ ਹੁੰਦਾ ਸੀ ?

    (ੳ) ਅੰਬਾਲਵੀ ਕੌਡੀ ਵਿੱਚ (ਅ) ਲਾਹੌਰੀ ਕੌਡੀ ਵਿੱਚ (ੲ) ਅੰਬਰਸਰੀ ਕੌਡੀ ਵਿੱਚ (ਸ) ਪੀਰ ਕੌਡੀ ਵਿੱਚ

੧੭.ਕਿਹੜੀ ਕੌਡੀ ਵਿੱਚ ਧਾਵੀ ਨੂੰ ਅੱਗਿਓਂ ਦੋ ਬੰਦੇ ਘੇਰਦੇ ਸਨ ?

    (ੳ) ਲਾਹੌਰੀ ਕੌਡੀ (ਅ) ਅੰਬਾਲਵੀ ਕੌਡੀ (ੲ) ਪੀਰ ਕੌਡੀ (ਸ) ਫਿਰੋਜ਼ਪੁਰੀ ਕੌਡੀ

੧੮.ਲੇਖਕ ਕਿੱਥੇ ਕਬੱਡੀ ਕੇਂਦਰ ਉਸਾਰਨ ਲਈ ਕਹਿੰਦਾ ਹੈ ?

    (ੳ) ਪੰਜਾਬ ਵਿੱਚ (ਅ) ਹਰਿਆਣਾ ਵਿੱਚ (ੲ) ਹਿਮਾਚਲ ਵਿੱਚ (ਸ) ਯੂ.ਪੀ ਵਿੱਚ

੧੯.ਪੰਜਾਬੀਆਂ ਦੀ ਮਾਂ ਖੇਡ ਕਿਹੜੀ ਹੈ?

    (ੳ) ਕੁਸ਼ਤੀ (ਅ) ਹਾਕੀ (ੲ) ਦੌੜ (ਸ) ਕਬੱਡੀ

੨੦.   ਕਬੱਡੀ ਖੇਡ ਵਿੱਚ ਕਿੰਨੇ- ਕਿੰਨੇ ਖਿਡਾਰੀ ਰਾਖਵੇਂ ਹੁੰਦੇ ਹਨ ?

    (ੳ) ਦੋ-ਦੋ (ਅ) ਚਾਰ-ਚਾਰ (ੲ) ਇੱਕ-ਇੱਕ (ਸ) ਤਿੰਨ-ਤਿੰਨ ।

੧. ਸਮਾਜ ਵਿੱਚ ਬਜ਼ੁਰਗਾਂ ਦਾ ਸਥਾਨ ਵਿਸ਼ੇ ਤੇ ਆਪਣੇ ਵਿਚਾਰ ਪੇਸ਼ ਕਰੋ(੪੦੦-੫੦੦ ਸ਼ਬਦ)

੨. ਚਿੱਤਰ ਦੇ ਅਧਾਰ ਤੇ ਵਰਣਨ ਕਰੋ।(੮੦ ਸ਼ਬਦਾਂ ਵਿੱਚ ਲਿਖੋ)।

Mathematics:

Simplify & Answer the following questions:-

1. Calculate the rationalising factor of $1/\sqrt{50}$.
2. 'There are infinitely many integers between any two integers.' State whether this statement is true or false. Justify your answer.
3. If $9^{x+2}=240+9^x$, then find the value of x.
4. Find the common factor in the quadratic polynomials $x^2+8x+15$ and $x^2+3x-10$.
5. If a polynomial p (x) is divided by x-a, then find its remainder.
6. Find the values of x and y, if two ordered pairs(x-3,-6) and (4,x+y) are equal.

7. Write the shape of the figure obtained by joining O(0,0), A(12,0)and B(12,12) on the graph.
8. The height of an equilateral triangle is 9 cm. Find the area of the triangle.
9. The area of an isosceles right triangle is 8 square cm, then find its perimeter.
10. If an angle is half of its complementary angle , then find its degree measure.
11. If one of the angles of a triangle is 130^0, then find the angle between the bisectors of the other two angles.
12. The sides of a triangle are x, x+1, 2x-1 and its area is $x\sqrt{10}$. Find the value of x.
13. If the point (2k-3,k+2) lies on the graph of the equation 2x+3y+15=0, find the value of k.
14. What must be added to $3x^3+x^2-22x+99$ so that the result is exactly divisible by $3x^2+7x-6$?
15. Rationalise the denominator of $3/(\sqrt{3}+\sqrt{5}-\sqrt{2})$.

Science

BIOLOGY:
Q1. Find out the correct sentence
  a. Enzyms packed in lysosomes are made through RER
  b. Rough Endoplasmic Reticulum and smooth Endoplasmic Reticulum produce lipid and protein respectively
  c. Endoplasmic Reticulum is related with the destruction of plasma membrane
  d. Nucleoid is present inside the nucleoplasm of eukaryotic cell
Q2. Organelle other than nucleus, containing DNA is
  a. Endoplasmic Reticulum
  b. Golgi apparatus
  c. Mitochondria
  d. Lysosome
Q3. We get a crunchy and granular feeling, when we chew pear fruit. Why?
Q4. Define the process of Differentiation.

- **Draw well labelled diagrams of**

  a. Parenchyma
  b. Collenchyma
  c. sclerenchyma
  d. Plant body showing location of Meristematic Tissue
  e. plant cell
  f. Animal cell

- **Frame 2 Questions from each chapter.**

CHEMISTRY

Q5. Which of the following statements are true for pure substances?
 (i) Pure substances contain only one kind of particles
 (ii) Pure substances may be compounds or mixtures
 (iii) Pure substances have the same composition throughout
 (iv) Pure substances can be exemplified by all elements other than
   Nickel
 (a) (i) and (ii)
 (b) (i) and (iii)
 (c) (iii) and (iv)
 (d) (ii) and (iii)
Q6. A glass tumbler containing hot water is kept in the freezer compartment of a refrigerator (temperature < 0°C). If you could measure the temperature of the content of the tumbler, which

of the following graphs (Fig.1.2) would correctly represent the change in its temperature as a function of time.
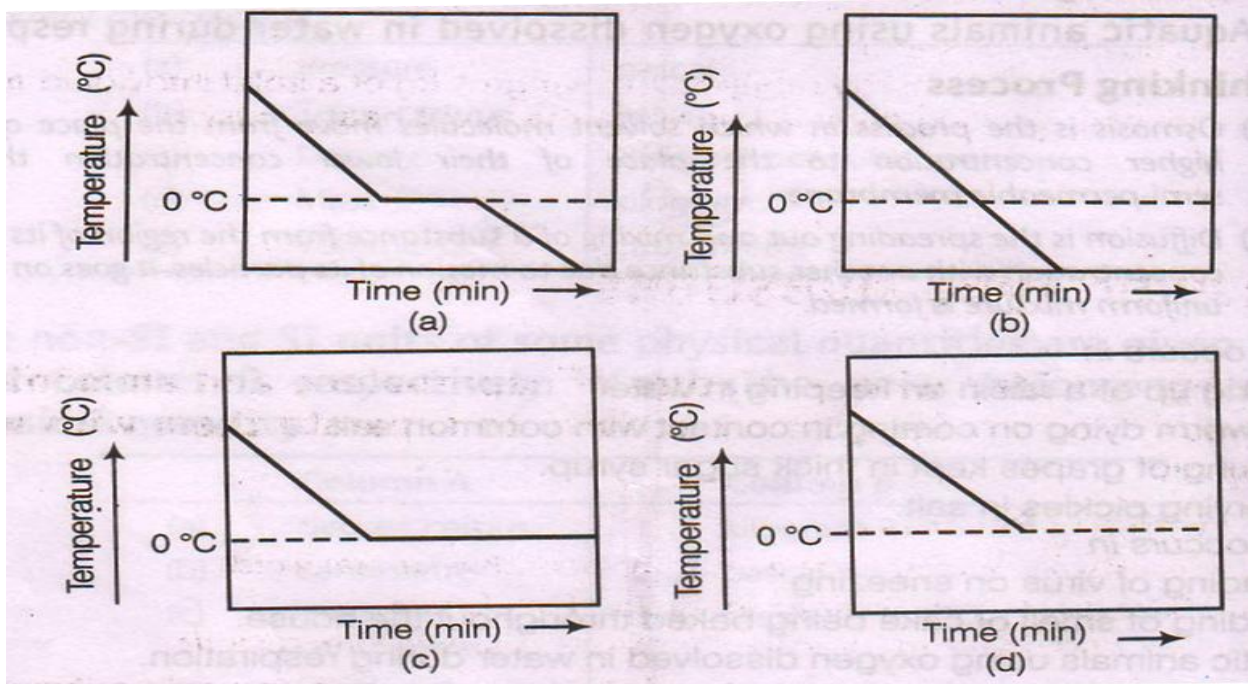

FIG 1.2

Q7. Kinetic energy of particles of water in three vessels A, B and C are E_A, E_B and E_c respectively and $E_A > E_B > E_c$. Arrange the temperatures, T_A, T_B ,T_C of water in three vessels in increasing order.

- **Draw a well labelled diagram to show the process of sublimation.**

- **Frame 2 Questions from chapter 1.**

PHYSICS

Q8. A body is thrown vertically upward with velocity u, the greatest height h to which it will rise is

(a) u/g

(b) u2/2g

(c) u2/g

(d) u/2g .

Q9. The numerical ratio of displacement to distance for a moving object is

(a) always less than 1
(b) always equal to 1
(c) always more than 1
(d) equal or less than 1

Q10. How will the equations of motion for an object moving with a uniform velocity change?
- **Plot the distance –time and velocity- time graph for all cases**.
- **Frame 2 Questions from chapter 8.**

Social Science

Geography:

- **On the political maps of India locate and label:-**

  a) **States-**Tamil Nadu, Meghalaya, Punjab

  b) **Capital cities** of Rajasthan, Assam, Lakshadweep islands

  c) **Standard Meridian**

  d) **Eastern Ghats and Western Ghats**

  e) **Hills**   Aravalli, Anaimudi

  f) Union territories of India

  g) Neighbouring countries to the North- West and North- East of India.

Civics:

Answer the following questions:

1) What do you mean by unfair practices?
2) Name the organization who launched protests, marches and strikes against the policies of segregation.
3) Which revolution in the world inspired the Indians to set up a socialist economy?
4) Which leader often criticized Mahatma Gandhi and his vision?
5) What do we call the preliminary version of a legal document?
6) How can you say that people did not have any choice in democratic Mexico?

ECONOMICS:

Answer the following questions:-
1) How many families of several different castes live in Palampur?
2) What is the name of nearest town to village Palampur?
3) What is the amount of minimum wages fixed by government for labourers?
4) Shifting of labourers from rural areas to urban areas in search of work is called.

     (a) Invention (b) Travelling (c) Immigration (d) Migration

5) Transport and communication comes under which sector?
     (a) Secondary   (b) Tertiary (c) Primary) (d) All of these.

HISTORY:
Answer the following questions:-
1) What actions proved Napolean as moderniser of Europe?
2) Who wrote the Declaration of the Rights of Woman and Citizen?
3) Why the executive body like Directory was introduced?
4) When do you mean by Taille and Tithes?
5) Which was the most revolutionary measure of Jacobin regime and why?
   Please note: ''Frame questions of each chapter other than done and discussed in class''.

विषय : हिंदी

प्र: निम्नलिखित शब्दों में से उपसर्ग, मूलशब्द व प्रत्यय पृथक् कर लिखें ?

विज्ञापित, बेचैनी, अपमानित, अविकारी, उपकारी, अनुमानित, अत्याधुनिक, अधार्मिक, दुस्साहसी, अप्रत्याशित ।

प्र: अर्थ के आधार पर वाक्य भेद (एक–एक) उदाहरण सहित लिखिए ?

प्र: पाठ दो बैलों की कथा तथा साँवले सपनों की याद पर आधारित प्रश्नों का निर्माण करें (जो पाठ्य पुस्तक में दिए गए प्रश्नों के अतिरिक्त हो)?

प्र: दो मित्रों में 'मेरे जीवन का लक्ष्य' विषय को लेकर हुई बातचीत को संवाद रूप में लिखिए ?

प्र: कबीर जी का सामान्य परिचय प्रदान करते हुए चार सुप्रसिद्ध दोहे लिखें जिसमें जीवन जीने की प्रेरणा प्रदान की गई है?

Information Technology (402)

1) Which key do you use to copy something? Tick mark the correct answer.
   a) Ctrl+ X   b) ctrl+ C   c) ctrl+Z   d) ctrl+ T
2) E-Mail cannot be sent to more than one person at a time. (True/ False)
3) Write down some of the default Apps installed on Smartphone and simple mobile phones.
4) What are communication Skills?
5) Write two to three lines you would use to introduce yourself.
6) What are the factors that affect Self-Confidence?
7) Write a Short Note on the uses of Internet.
8) What are Sources of Pollution?
9) State any three ways by which we can save energy?
10) What is Green Economy?

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

PROJECT OF IX
Instructions :-

•The project work can be presented on charts/scrap books/colorful a4 sheets. It should be attractive and eye catching.

•You will be assessed on the basis of handwriting, presentation, neatness, content, originality of ideas and completion of all the given questions, indexing of the work.

•Use good quality pen/pencil to do neat and tidy work.

Social Science

Prepare a project on any one topic man-made disaster or natural disaster which should not exceed 15 pages and include following heads:

•Preface

•Index

1. Acknowledgment
2. Detailed report on topic
3. Bibliography
4. Teacher's evaluation

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