



DELHI INTERNATIONAL SCHOOL, DWARKA

SUMMER HOLIDAY ASSIGNMENT (SESSION-2017-18) CLASS-IX

Dear Children,

Vacation has just one letter difference with vocation. Summer vacation is the time when you can be more candid and creative. This is the time when skills, other than intellectual skills can be nurtured and developed in your soft and evolving brains. Holiday assignments are focused to let the creative and latent talents, skills and desires of the children come to the surface so that they may be identified and satisfied.

Let's get rid of our pre-conceived dogmas! We want you to enter in to the new world of assessment which is totally based upon the new CBSE rules. It is the time to understand the importance of projects, assignments and the holiday homework. Therefore, this year the homework has been designed keeping in view the renewed CBSE patterns.

So dear children, Get..... Set..... Go.... Enjoy doing the activities and ensure timely completion of the given assignments. Remember a well presented Holiday Homework fetches you a commendable remark.

ENGLISH

Let's be creative!

Roll, Take and Record Yes, it's time to prepare a radio show for your school. Your radio show should include any (two or more) of the following items. Your show must have two section each of ten minutes.

1. News Stories

School News. This can be related to the results of various competitions or any new thing which is being introduced for the first time in your school like (any Club, new Sport)

International News: trips or excursions, student's exchange programme.

2. Jokes/ Riddles-Yes, the decent ones.

3. Advertisements/Jingles

4. An Interview- of a celebrity of school.

5. Special reports- safety at school, school uniform, awards received by the school.

6. Entertainment- Educational movies, Patriotic music, Ted videos and books.

Each audio file should be prepared individually. Your holiday project will be evaluated on the basis of content, expression, clarity, pronunciations and innovation.

Rubrics for the above mentioned activities are as follows:

Content	Expression	Clarity	Pronunciation	Innovation	Total
2	2	2	2	2	10

ENGLISH ASSIGNMENT

(LITERATURE)

1. Answer the following questions on the basis of your text.

- a) In what way was the wedding a great event in the days of Sudha Murthy's childhood?
- b) What time limit did the grandmother set for herself to learn Kannada alphabet? How far did she succeed in achieving her goal?
- c) How did the master and the dog make progress on a gradual scale in their step by step walking exercise?
- d) Marcy was initially impolite to Duke but later, would not let anyone touch Duke after his accident. What values exhibited by the dog brought about this transformation?
- e) Why have the lines 'For men may come and men may go, But I go on forever' been repeated in the poem several times? What is the significance of these lines?

2. Reference to Context

"I murmur under moon and stars

In brambly wildernesses;

I linger by my shingly bars;

I loiter round my cresses;

1. What changes do you notice in the movement of the brook here?
2. Why do you think the brook is murmuring now?
3. Which poetic device has been used in the first line?

GRAMMAR

Q1. Put the verbs into the correct tense (simple present or present continuous)

1. Look! Sara (go)_____to the movies.
2. On her right hand, Sara (carry)_____ her handbag.
3. The handbag (be)_____ very beautiful.
4. Sara usually (put)_____ on black shoes but now she (wear) white trainers.
5. And look, she (take)_____ an umbrella because it (rain).

Q2. Put the verbs into the correct tense (simple past or past perfect)

1. When he(wake up)_____, his mother (already/prepare) _____breakfast.

2. We(go)_____ to London because our friends (invite)_____ us.
3. He(hear)_____ the news, (go)_____ to the telephone and (call) a friend.
4. When she (start)_____ learning English she (alredy/learn) French.
5. Jane (already/type) three pages when her computer(crash)_____.
6. By the time the doctor (arrive) _____ at the house the patient (die)_____.
7. Before that day we (never/think)_____ of traveling to Japan.
8. I (know)_____ him a long time before I (meet)_____ his family.
9. They (not know) _____ where to meet because nobody (tell)_____ them.
10. It (be)_____ cloudy for days before it (begin)_____ to rain.

Q3. Put the verbs into the correct tense (Simple Past or Past Continuous).

1. The receptionist (welcome)_____ the guests and (ask) _____ them to fill in the form
2. The car (break) _____ down and we (have) _____ to walk home.
3. The boys (swim)_____ while the girls (sunbath) _____.
4. My father (come) _____ in, (look) _____ and (tell) _____ me to tidy up my room.
5. While one group (prepare) _____ dinner the others (collect) _____
6. wood for the campfire.
7. While the parents (have) _____ breakfast the children (run) _____ about.
8. Martha (turn) _____ off the light and (go) _____ to bed.

Q4. Put the verbs into the correct tense (simple future or future perfect or future continuous)

1. Tomorrow I think I (start) _____ my new project.
2. I (finish) _____ it by the end of this month.
3. The teacher (probably/assign) _____
4. a test to his students next Monday.
5. He (correct) _____ it by the end of next week.
6. My friend (certainly/ get) _____ a good mark.
7. By 9 o'clock, we (finish) _____ our homework.
8. They (leave) _____ the classroom by the end of the hour.
9. I think I (start) _____ my trip tomorrow.
10. They (watching)_____ the cricket match at this time tomorrow.
11. I (travel) _____ to Kerala next week.

Q5. Fill in the blanks with suitable determiner or article:-

1. Yesterday I saw _____ one eyed man crossing _____ road.
2. _____ problem isn't easy.
3. Why are you sitting on _____ chair? He will be quite angry if he sees _____ chair has been occupied.
4. I don't know _____ answer to this question.
5. You should change _____ wet clothes or you will catch cold.
6. The windscreen was smashed and _____ driver was severely injured.
7. Lalita wore _____ red saree for her wedding.
8. The bullet struck him in _____ foot.
9. She is weaving a basket for _____ sister.
10. He fell off his horse and injured _____ back.

HINDI

ग्रीष्मावकाशकालीन हिंदी गृह कार्य सत्र 2017-18

नोट दिए गए 1 से 3 प्रश्न हिंदी की उत्तर पुस्तिका में लिखिए।

प्रश्न 1 महादेवी वर्मा की दो कहानियाँ अपने शब्दों में लिखिए।

प्रश्न 2 महिला पहलवान साक्षी मलिक के बारे में जानकारी एकत्रित कीजिए और चित्र सहित अनुच्छेद लिखिए।

प्रश्न 3 'पशु पक्षियों की रक्षा पर्यावरण की रक्षा' के विषय में वार्तालाप करते हुए दो मित्रों के संवाद लिखिए।

प्रश्न 4 अपने विद्यालय के वार्षिकोत्सव के लिए आकर्षक विज्ञापन चार्ट परतैयार कीजिए।

SANSKRIT

चार्ट कार्य= चार्ट कार्य प्रायः पुस्तकमणिका 1-5 पाठ में से कोई एक चित्र को बनाओ।

प्रतिवेदन लेखन= स्वच्छ भारत अभियान पर्यावरण संस्कृतकामहत्वके विषय में संस्कृत पुरातनिकामें लिखें।

क्रियाकलाप= पुराकालिन सन्देश पत्रिका पर एक पत्र लिखिए। लिखे व प्रतिदिन दो श्लोक स्कैव्हाईल में लिखें।

FRENCH

1. Décrivez votre famille en mots (70-80)
2. Décrivez votre premier voyage en mots (70-80) (A3 size sheet)
3. Votre ami visiter a paris. Vous lui conseillez les lieux et les monuments qu'il doit visiter. Présentez la conversation.
4. Écrivez une recette de votre choix. (A3 size sheet)
5. Écrivez un rapport : une sécurité à l'école, uniforme scolaire, prix reçu par l'éco

ICT

MAKE 10 WEB PAGES ON A SINGLE TOPIC USING TAGS:

- BODY AND ITS ATTRIBUTES
 - TEXT FORMATTING TAGS & THEIR ATTRIBUTES.
- SAVE THE WEBPAGES IN A CD.

MATHS

- 1) A rational number equivalent to $\frac{5}{7}$ is _____.
- 2) If the decimal representation of a number is non-terminating, non-repeating then the number is _____.
- 3) On dividing $6\sqrt{27}$ by $2\sqrt{3}$, we get _____.
- 4) On simplifying $8^3 \times 2^4$, we get _____.
- 5) The value of $p(x) = 5x - 4x^2 + 3$ for $x = 0$ is _____.
- 6) The degree of $4 - y^2$ is _____.
- 7) The zero of $p(x) = 2x - 7$ is _____.
- 8) On dividing $x^3 + 3x^2 + 3x + 1$ by x we get remainder _____.
- 9) If $x - 2$ is a factor of $x^3 - 3x + 5a$ then find value of a .
- 10) Abscissa of the all the points on x - axis
- 11) Ordinate of the all the points on y - axis
- 12) The point where the two axes meet, is called _____.
- 13) If $x = \frac{\sqrt{3}-\sqrt{2}}{\sqrt{3}+\sqrt{2}}$ and $y = \frac{\sqrt{3}+\sqrt{2}}{\sqrt{3}-\sqrt{2}}$, find the value of $x^2 + y^2 + xy$.
- 14) If $x = \frac{2-\sqrt{5}}{2+\sqrt{5}}$ and $y = \frac{2+\sqrt{5}}{2-\sqrt{5}}$, find the value of $x^2 - y^2$.
- 15) Determine rational numbers p and q if
$$\frac{7+\sqrt{5}}{7-\sqrt{5}} - \frac{7-\sqrt{5}}{7+\sqrt{5}} = p - 7\sqrt{5}q.$$
- 16) Simplify: $\frac{6}{2\sqrt{3}-\sqrt{6}} + \frac{\sqrt{6}}{\sqrt{3}+\sqrt{2}} - \frac{4\sqrt{3}}{\sqrt{6}-\sqrt{2}}$
- 17) Simplify: $\frac{3\sqrt{2}}{\sqrt{6}-\sqrt{3}} + \frac{2\sqrt{3}}{\sqrt{6}+2} - \frac{4\sqrt{3}}{\sqrt{6}-\sqrt{2}}$
- 18) Show that: $\frac{1}{3-\sqrt{8}} - \frac{1}{\sqrt{8}-\sqrt{7}} + \frac{1}{\sqrt{7}-\sqrt{6}} - \frac{1}{\sqrt{6}-\sqrt{5}} + \frac{1}{\sqrt{5}-2} = 5$
- 19) If: $x = \frac{\sqrt{p+q} + \sqrt{p-q}}{\sqrt{p+q} - \sqrt{p-q}}$, then find the value of $qx^2 - 2px + q$.
- 20) If polynomials $ax^3 + 3x^2 - 3$ and $2x^3 - 5x + a$ leaves the same remainder when each is divided by $x - 4$, find the value of a .
- 21) Without actual division, prove that $2x^4 - 5x^3 + 2x^2 - x + 2$ is divisible by $x^2 - 3x + 2$.
- 22) Simplify $(2x - 5y)^3 - (2x + 5y)^3$
- 23) Without actual division, prove that $x^3 - 3x^2 - 13x + 15$ is exactly divisible by $x^2 + 2x - 3$.
- 24) Find the integral zeroes of the polynomial $2x^3 + 5x^2 - 5x - 2$.
- 25) Without actually calculating, find the value of $(25)^3 - (75)^3 + (50)^3$
- 26) Factorise :
 - (i) $8x^3 - y^3 - 12x^2y + 6xy^2$

(ii) $27q^3 - 125p^3 - 135q^2p + 225qp^2$

(iii) $8x^3 + 729 + 108x^2 + 486x$

(iv) $x^3 + 216y^3 + 8z^3 - 36xyz$

(v) $a^3 - 64b^3 - 27c^3 - 36abc$

(vi) $x^3 - 23x^2 + 142x - 120$

(vii) $2x^3 - 3x^2 - 17x + 30$

(viii) $x^3 - 6x^2 + 11x - 6$

(ix) $x^3 + x^2 - 4x - 4$

(x) $3x^3 - x^2 - 3x + 1$

27) Find the zero of the polynomial in each of the following cases:

(i) $p(x) = x + 5$ (ii) $p(x) = x - 5$ (iii) $p(x) = 2x + 5$

(iv) $p(x) = 3x - 2$ (v) $p(x) = 3x$ (vi) $p(x) = ax, a \neq 0$

28) Divide the polynomial $3x^4 - 4x^3 - 3x - 1$ by $x - 1$.

29) Find the remainder obtained on dividing $p(x) = x^3 + 1$ by $x + 1$.

30) Find the remainder when $x^4 + x^3 - 2x^2 + x + 1$ is divided by $x - 1$.

31) Using suitable identity, evaluate the following: (i) 1033 (ii) 101×102 (iii) 9992

32) Write the coordinates of the following points:

(i) lying on both axes

(ii) lying on x-axis and with x-coordinate 4

(iii) lying on y-axis with y-coordinate -3.

33) The coordinates of the three vertices of a rectangle ABCD are A(3, 2), B(-4, 2), C(-4, 5). Plot these points and write the coordinates of D.

34) Plot the following points on a graph paper:

x	1	2	3	4	5
y	5	8	11	14	17

Join these points. What do you observe?

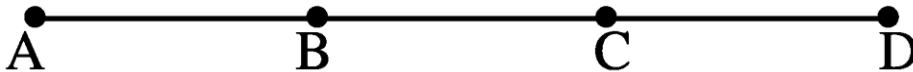
35) Plot the following points on a graph sheet. Verify if they lie on a line

(a) A(4, 0), B(4, 2), C(4, 6), D(4, 2.5)

(b) P(1, 1), Q(2, 2), R(3, 3), S(4, 4)

(c) K(2, 3), L(5, 3), M(5, 5), N(2, 5)

36) If $AB = CD$, can you say that $AC = BD$? Give reasons for your answer.



37) Does Euclid's fifth postulate imply the existence of parallel lines? Explain.

38) Prove that an equilateral triangle can be constructed on any given line segment.

39) Solve the equation $a - 15 = 25$ and state which axiom do you use here.

40) If a point C is called a mid-point of line segment AB. Prove that every line segment has one and only one mid-point.

PROJECT

Draw a rough sketch on A-3 size sheet and prepare a 3D model of a city made of maths, named geometrocity, in Cartesian plane. Use 3D shapes to show various buildings roads etc. and write down their coordinates also.

Rough sketch	Presentation	Clarity of concept	Neatness
2	3	3	2

SCIENCE

Answer the following Questions:

1. If you decrease the surface area and increase the temperature, then the rate of evaporation (a) increase (b) decrease (c) remain same (d) may increase or decrease depending upon other factors
2. 300K will have its corresponding temperature in degree centigrade as:- (a) 30 °C (b) 300 °C (c) 27 °C (d) 673 °C
3. Liquid to gas and gas to liquid changes are called:- (a) vaporization and condensation (b) condensation and vaporization (c) sublimation and condensation (d) condensation and sublimation
4. Physical state of water at 25 °C, 0 °C and 100 °C is respectively (a) liquid, solid and gas (b) solid, liquid and gas (c) solid, gas and liquid (d) gas, solid and liquid
5. What happens when the temperature of the solids increase?
6. When heat is being supplied to a solid, then what does the heat energy do to the particles of solid?
7. Why is it that on increasing the wind speed the rate of evaporation increases?
8. Why do we say that evaporation is a surface phenomenon?
9. What is the state of inter particle distance inside a solid, liquid and gas?
10. Why is it that to smell cold food, we have to go close but smell of hot food reaches us several meters away?
11. Why is it that a wooden chair should be called a solid and not a liquid?
12. Give an experiment to show that ammonium chloride undergoes sublimation.
13. What does the slope of velocity – time graph give? (a) Distance (b) displacement (c) Acceleration (d) Change in velocity.
14. The displacement of the body can be- (a) Positive (b) negative (c) Zero (d) All of these.
15. Which of the following gives both direction and magnitude- (a) scalar (b) vector (c) Both (d) None.
16. If a moving body comes to rest, then its acceleration is- (a) Positive (b) negative (c) Zero (d) All of these depending upon initial velocity.
17. A body is moving with a velocity of 12m/s and it comes to rest in 18m, what was the acceleration?
18. A body starts from rest and moves with a uniform acceleration of 4m/s² until it travels a distance of 800m, find the final velocity?

19. The driver of a car traveling along a straight road with a speed of 72KM ph observes a signboard which give the speed limit to be 54KM ph. The signboard is 70m ahead when the driver applies the brakes0 calculate the acceleration of the car which will cause the car to pass the signboard at the stated speed limit?

20. Differentiate between scalars and vectors?

PROJECT: Make a model of an Eco World.

Topic	Presentation	Knowledge	Accuracy of details	Innovation	Total
2	2	2	2	2	10

SOCIAL SCIENCE

HISTORY

Q1. The French Revolution popularised many symbols. Each symbol depicted some basic values. Mention such symbols and related values.

Q2. What is the role of philosophers in the French Revolution?

Q3. Mention any five values which are associated with Declaration of the rights of man and citizen.

Q4. What were the causes for the empty treasury of France under Louis XVI?

Q5. What were the result of the French revolution for France?

Q6. Describe the condition of the workers under Tsar in Russia?

Q7. What is Bloody Sunday?

Q8. Differentiate between Bolsheviks and Mensheviks.

CIVICS

Q9. How is democratic government different from non-democratic government?

Q10. Write three agreements in favour of democracy?

Q11. Describe the features of democracy.

Q12. Why are the elections in China not free and fair? Explain any three reasons.

ECONOMICS

Q13. What is HYV seeds? Write its one merit and a limitation.

Q14. Explain the non-farming activities which take place in Palampur.

Q15. How can you say that Palampur is a well-developed village?

Q16. List the changes in Palampur due to advent of electric power in the village?

GEOGRAPHY

Q17. What is the strategic significance of India's location in Asia?

Q18. Which is selected as the Standard Meridian of India?

Q19. The sun rises two hours earlier in Arunachal Pradesh as compared to Gujarat in the west but the watches show the same time. Why.

Q20. Why is Indian Ocean named after our country? Give three reasons.

PROJECT

Make a project on democratic and non-democratic country of the world(each). Make a comparison between the two form of government. Give a detailed description about their system of administration, social and economic aspect, voting right, election, citizen rights and party policies constitutional and legal aspect which kind of government do you think is better form of government and why.(15 pages with pictures and map)

Content	Presentation	Clarity of concept	neatness	pictures	Total
2	2	2	2	2	10