THE INDIAN COMMUNITY SCHOOL KUWAIT – KHAITAN

Dear Parent,

We are glad to inform you that K-RAYS, our exhibition of projects on Science, Mathematics, Social Science, English, Hindi, French, EVS, Computer Science, Art, Music, Dance, Arabic, Islamic Studies and Sports is going to be re-launched after a gap of two years. It is going to be organized on Thursday, 17th October, 2019 from 04:00 pm to 08:00 pm in our campus. All students from LKG to XI are expected to participate as it is going to be a rich learning experience for them. It will also provide an opportunity for innovative thinking. The participation is optional for class X and XII students.

A child may submit minimum 1 project and maximum of 2 individually or as a team. These projects shall be considered as their SEA (Subject Enrichment Activity) for that respective subject. Marks shall be awarded for the same. A child doing a project in a particular subject is exempted from the vacation assignment of that subject. Class wise/ subject wise topics are suggested along with the vacation assignments below.

All projects are to be submitted to the concerned subject teachers after the vacation. The best 10 projects from each class shall be selected, to be exhibited in K-RAYS. Class wise best 3 projects will be awarded prizes.

Please note:
- The student has to submit the vacation assignments on his/her first reporting day after the vacation. Any delay in this shall be penalized by deducting 1 mark per day.
- The project/ exhibit should be an original work done by an individual student or a team of maximum 4 students.
- As far as possible, innovative working models should be submitted, mere charts/still models will not be preferred.
- Commercially available models will not be allowed unless it is an integral part of the exhibit.
- Highly inflammable materials, any unsafe apparatus or device will not be allowed.
- First submission of the K-Rays projects is on 10th September, 2019.
- In case your ward's project is selected, you may make any modification, or prepare any supporting materials (charts, ppt. etc) if required, before the exhibition.

Thanking you.
With best regards,

Principal

26 /05/2019

THE INDIAN COMMUNITY SCHOOL, KUWAIT

CLASS IX- ENGLISH HOLIDAY ASSIGNMENT 2019

1. Write a film review of any movie which you had watched, narrate the main incidents. Support with pictures of the cast and the Production team.

2. Read a newspaper every day and select at least one main news of your interest. Stick the cut outs of the reports with pictures. (**30 News items).**

3. Cursive writing 30 pages for chosen students whose handwriting needs to be improved. [The assignments should be neatly handwritten and submitted in a folder. A4 size]

4. Collect pictures of Indian and Western Classical Musicians and also their musical instruments. Present your collection as a Project in an A4 size file/ folder. Use your imagination and artistry in your presentation.

Project-Book Review – Class IX

Format:

1. Title of the Book   2. Author of the Book: Who has written the book?

3. Best Selling Information: Was the book a top-selling book – under what category?

4. Genre: Does the book come under the category of Fiction or Non Fiction?
Fiction includes: Classic, Comic/Graphic Novels, Fantasy, Crime/Detective, Mystery, Mythology, Science Fiction, Suspense/Thriller etc.
Non-Fiction includes: Biography/Autobiographies, Narrative Nonfiction, Essays etc.

5. Name of the Publisher   6. Achievements: Has the book won any awards/achievements? Has the author won any awards for the book? In what year?

7. About the Author: 8. Summary:.

9. Plot details: 10. Setting: Where has the book been set – historical moment in time/ geographic location? At what time/what year/season? This helps initiate the main backdrop and mood for the story.

ग्रीष्मकालीन अवकाश गृहकार्य (2019-2020)

कक्षा नवीं

1. **अनुच्छेद लेखन**
   क. **विज्ञान और मानव**
      संकेत बिंदु: **1.**विज्ञान का अर्थ **2.**विभिन्न क्षेत्रों में विज्ञान का लाभ **3.**उपयोगिता **4.**विज्ञान का विनाशकारी रूप
   ख. **विज्ञापन और हमारा जीवन**
      संकेत बिंदु: **1.**विज्ञापन का उद्देश्य **2.**विज्ञापन के विविध प्रकार **3.**विज्ञापनों के सामाहिक दायित्व **4.**निष्कर्ष
   ग. **युवाओं के लिए मतदान का अधिकार**
      संकेत बिंदु: **1.**मतदान का अधिकार', क्या और क्यों? **2.**जागरूकता **3.**आवश्यकता **4.**सुझाव
   घ. **शारीरिक शिक्षा और योग**
      संकेत बिंदु: **1.**अर्थ **2.**महत्त्व **3.**प्रभाव और अच्छे परिणाम
   ङ. **आँखों देखी दुर्घटना**
      संकेत बिन्दु: **1.**कहाँ और कैसे? **2.**दुर्घटना की गंभीरता **3.**आपके द्वारा किया हुआ योगदान

2. **पत्र लेखन:**
   क. अपने छोटे भाई को सदाचार का महत्त्व बताते हुए पत्र लिखिए।
   ख. अपने मित्र को हिन्दी भाषा पढ़ने का महत्त्व और लाभ बताते हुए पत्र लिखिए।

3. **संवाद लेखन:**
   क. इंटरनेट की उपयोगिता और दुरुपयोग पर वार्तालाप करते हुए दो विद्यार्थियों में संवाद लिखिए।
   ख. फ़िल्म देखकर लौटे दो मित्रों के बीच संवाद लिखिए।

4. **विज्ञापन लेखन:**
   क. वॉशिंग पाउडर कंपनी की ओर से एक विज्ञापन तैयार कीजिए।
   ख. 'लेखनी' जैल पेन को बाज़ार में लोकप्रिय बनाने के लिए आकर्षक विज्ञापन तैयार कीजिए।

5. **अपठित गद्यांश- दो (छात्र स्वयं करके लिखकर आएं) ।**
6. **अपठित पद्यांश- दो (छात्र स्वयं करके लिखकर आएं) ।**
7. **ग्रीष्मावकाश में व्यतीत किए किन्हीं दस दिनों को डायरी लेखन के रूप में लिखिए।**
8. **'हिन्दी दिवस' समारोह हेतु चार्ट या मॉडल बनाकर लाएँ।**

Suggested topics for K-Rays-

1. पाठ्यपुस्तक के किसी पाठ के आधार पर विषय का चयन करें।
2. हिन्दी के प्रसिद्ध लेखकों जैसे वेश भूषा धारण कर उनकी रचनाएँ प्रस्तुत करें।
3. नुक्कड़ नाटक प्रस्तुत करें (समय सीमा- 5 मिनिट)।

छात्र किसी अन्य विषय का चयन भी कर सकते हैं।

I.   Conjuguez les verbes suivants au présent.

1. Je _____ (être) au lycée.
2. Il _____ (avoir) 17 ans.
3. Il _____ (être) au lycée aussi.
4. Tu _____ (s'appeler) Pauline ?
5. Tu _____ (habiter) où?
6. Mon amie _____(parler) français.
7. Notre père _____ (travailler) a l'Ambassade de l'Inde.
8. Nos camarades de classe _____ (être) sont très sympas.
9. Que _____ (faire) – tu ?
10. Ma grand-mère _____ (écouter) la musique.
11. Nous _____ (ranger) la chambre.
12. Les professeurs _____ (regarder) un bon film à la télé.
13. Nicole _____ (voyager) en Italie en mai.
14. Nancy et Joe _____ (manger) une pizza.
15. J' _____ (aimer) le train.
16. Le nouveau professeur _____ (rencontrer) ses élevés.
17. Je _____ (venir) du Sénégal.
18. Nous _____ (remplir) la fiche d'identité.
19. Notre nouveau professeur _____ (s'appeler) Philippe.
20. Denis _____ (montrer) une photo de sa famille à ses amis.
21. Il _____ (faire) beau.
22. Les fleurs _____ (fleurir) dans le jardin.
23. Nous _____ (finir) notre travail.
24. Je _____ (réussir) àmon examen de français.
25. Maxime _____ (choisir) le dessin multicolore.
26. Elles _____ (étudier) l'histoire, la géographe et les maths.
27. Les filles _____ (chanter) bien.
28. Ils _____ (aller) au Canada.
29. Ali et Nargis _____ (boire) du café.
30. Je _____ (connaitre) cette ville.

II. **Écris en lettres:**
  1. 79 : _____
  2. 100 : _____
  3. 1 : _____
  4. 10 : _____
  5. 84: _____
  6. 98: _____
  7. 70: _____
  8. 80 : _____
  9. 92: _____
  10. 99: _____

III. **Complétez avec l'adjectif démonstratif.**
  1. Il fait quelque chose _____ soir.
  2. _____ plans indiquent tous les arrêts d'autobus de la ville.
  3. Je dois finir _____ article pour demain.
  4. Elle aime bien _____ ville.
  5. Je me souviens de _____ jour-là.
  6. _____ été, Je vais en Belgique.
  7. _____ dictionnaire est gros.
  8. Elle envoie _____ colis par le courier.
  9. Je suis allé à _____ plage merveilleuse.
  10. Le professeur explique _____ leçon.

IV. **Complétez avec les adjectifs possessifs.**
  1. Vous invitez _____ amis à la soirée?
  2. Comment nage _____ frère?
  3. Pierre va à _____ appartement.
  4. _____ voisins viennent de Paris ce soir.
  5. Tu aimes _____ parents?
  6. Ils parlent à _____ voisine.
  7. Elles détestent _____ professeurs.
  8. Nous adorons _____ pays.
  9. La sœur de Paul va chez _____ oncle.
  10. Nous faisons _____ devoir.
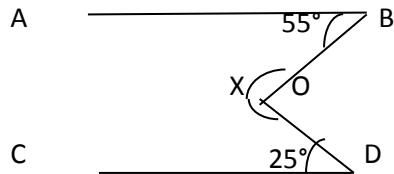
BONNE CHANCE   BON COURAGE

CLASS IX

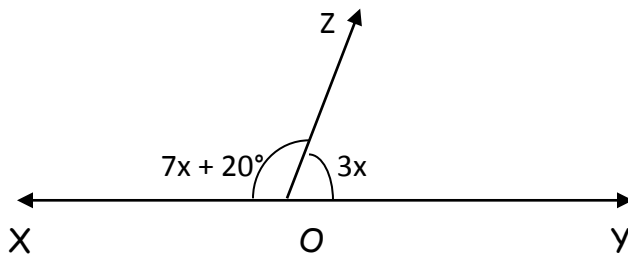## MATHEMATICS HOLIDAY ASSIGNMENT

1. If $\dfrac{2}{\sqrt{3}+\sqrt{5}} + \dfrac{5}{\sqrt{3}-\sqrt{5}} = a\sqrt{3} + b\sqrt{5}$, find a and b.

2. Find the value of x if AB ∥ CD.

A ——————— 55° B
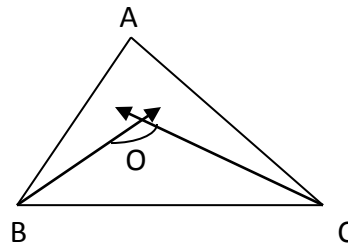
X O

C ——————— 25° D

3. What value of x would make XOY a line if $\angle XOZ$ = 7x + 20° and $\angle YOZ$ = 3x in figure?

Z

7x + 20° 3x

X O Y

4. Represent $\sqrt{5}$ on the number line.

5. In a ΔABC the bisectors of ∠B and ∠C intersect each other at a point O. Prove that ∠BOC = 90 + ½ ∠A

A

O

B C

6. Find the value of $(17)^3 + (-12)^3 + (-5)^3$.

7. Write four solutions of 2x + y = 7

8. If $a = 9 - 4\sqrt{5}$, find the value of $a^2 + \dfrac{1}{a^2}$

9. Find a value of k so that 3x + ky = 6 has x = 1 and y = 1 as a solution.

10. If 2x - 1 is a factor of $4x^3 - 16x^2 + 10x + k$, then find the value of k.

11. Factorise   (i) $8a^3 + b^3 + 12a^2b + 6ab^2$

(ii) $27y^3 + 125z^3$

(iii) $49\,a^2 + 4b^2 + 9c^2 - 28ab + 12\,bc - 42\,ac$

(iv) $8x^3 - y^3 - 12x^2y + 6xy^2$

(v) $x^2 - x - 6$

(vi) $4y^2 - 4y + 1$

12. If the polynomial $f(x) = px^3 + 4x^2 + 3x - 4$ and $g(x) = x^3 - 4x + p$ are divided by $(x-3)$, then the remainder in each case is the same, find the value of p.

13. Show that $\dfrac{1}{1+\sqrt{2}} + \dfrac{1}{\sqrt{2}+\sqrt{3}} = -1 + \sqrt{3}$

14. Fill in the blanks:

(i). $(2x - 3y)^3 =$ ....

(ii). $(2x + y - z)^2 =$ ....

(iii). $(3a + b)^3 =$ ....

15. On dividing the polynomial $2x^3 + ax^2 + 3x - 5$ by $x-1$, the remainder is 7. Find the value of a.

16. Evaluate $\dfrac{\sqrt[3]{2} \times 4^{\frac{3}{2}}}{128^{\frac{1}{3}}}$

17. If $x = \dfrac{\sqrt{3}+\sqrt{2}}{\sqrt{3}-\sqrt{2}}$, find (i) $x^2 + \dfrac{1}{x^2}$ (ii) $x^3 + \dfrac{1}{x^3}$

18. Represent $2x + y = 6$ graphically.

19. (i) The coordinates of a point on x- axis are of the form ....

(ii) The abscissa of a point is positive in ....and .... quadrants .

(iii) The point of intersection of the co-ordinate axes is called ....

(iv) The distance of the point (0 , -3) from the origin is .... Units

(v) The perpendicular distance of the point P (2,5) from the y-axis is.....................

(vi) The point (0 , 5) lies on .... Axis

(vii) . The co-ordinate of a point whose ordinate is 6 and lies on y- axis is ....

(viii)If x is positive and y is negative , then the point (x , y) lies in .... quadrant.

(ix) The point (2 , 3) lie in the…………. Quadrant.

(x) Name the quadrant in which the following points lie:

  (a) (-8 , -1)   (b) (5 , -2)   (c) (-9 , 4)   (d) (2 , 5)

20. Plot the points A(5 , 5) and B (-5 , 5) in the Cartesian plane. Join AB , OA and OB. Name the figure obtained and find its area.

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CLASS: IX   HOLIDAY ASSSIGNMENT- SCIENCE

PHYSICS

1. What is the condition for distance travelled by a body is equal to its displacement?
2. A cyclist moving along a circular track of radius 140m completes 2rounds in 50 seconds. Calculate i)Total distance covered ii) Net displacement and iii) speed of the cyclist.
3. A cricket ball thrown vertically upwards with an acceleration of $10m/s^2$ reaches a maximum height of 5m Find the initial speed of the ball and the time taken to reach the Highest point?
4. A body accelerates uniformly from rest to 20 m/s for 2 seconds ,then moves with same velocity for the next6 seconds .After that it retards and comes to rest in 2 seconds. i)Draw the velocity –time graph for the motion ii)Calculate the total distance travelled by the body.
5. A force of 200N acts on a body of mass 20kg ,initially rest ,for 5 seconds. Determine i) acceleration ii) final velocity attained and iii)distance covered by it.
6. A car accelerates uniformly from 18km/h to 13km/h in 5s.Calculate the acceleration and the distance covered by the car in that time.
7. The minute hand of a clock is 7cm long. Calculate the displacement and distance covered by it from 8a.m to 8.30a.m.

CHEMISTRY

1. Write the dispersed phase and dispersion medium of the following.
   a) Fog
   b) Smoke
   c) Milk
   d) Cheese
2. Write down the differences between
   a) Elements and compounds
   b) Compounds and mixtures
   c) Physical and chemical change.
3. Give reasons for the following:-
   a) A gas fills completely the vessel in which it is kept.

b) A gas exerts pressure on the walls of the container.

c) The temperature remains constant during the change of state.

4. How does the water kept in an earthern pot become cool during summer.

5. What type of clothes we should wear in the summer and why?

6. Explain with a neat diagram how will you separate a mixture of two miscible liquids which differ in their boiling points by more than 25^0c.

7. Write the principle and applications of the following processes ;
1. Chromatography 2. Centrifugation.

8. Distinguish between colloids , true solution and suspension based on their properties.

BIOLOGY

1. Draw a plant cell and label the parts which:

a. determines the function and development of the cell.

b. packages materials synthesized near the ER

c. provides resistance to microbes to withstand hypotonic external medium without bursting.

d. releases energy in the form of ATP.

e. act as a storage sac for solid or liquid.

f. function as a cytoplasmic frame work

2. Describe the role played by the lysosomes. How do they perform their functions?

3. Give reason to the following.

a. Water hyacinth (aquatic plant) float on water surface.

b. Intercellular spaces are absent in sclerenchymatous tissues.

4. Differentiate between the following.

a. Tendons and Ligaments

b. Cartilage and Bone

5. Give the location of the following tissues.

a. Stratified squamous epithelium

b. Cardiac muscle

c. Adipose tissue

d. Collenchyma

6.State one important function of the following

    a. Tracheids

    b. Blood platelets

    c. Ribosomes

    d. Smooth muscle

K-RAYS SUGGESTED TOPICS

Science and Technology for greener India

Themes:

a. Waste to wealth
b. Traditional knowledge systems.

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SOCIAL SCIENCE

1. Explain the impact of the Great Economic Depression on Germany.
2. Describe the effects of abolition of censorship in France.
3. Describe the role of the philosophers in the French Revolution.
4. Discuss any three main clauses of the Treaty of Versailles.
5. "The inequality that existed in the French Society in the Old Regime became the cause of French Revolution". Justify the statement by giving suitable examples.
6. Classify the northern plains on the basis of variations in the relief features. Explain the characteristics features of each of them.
7. How have the ancient and much older land routes contributed to exchange of ideas and goods? Explain
8. Explain the types of tectonic plates movement responsible for the formation of relief features.
9. Why are Himalayas called young fold mountain? Explain the three ranges of Himalayas.
10. Why do we prefer democracy better than any other form of government?
11. How was apartheid practiced in South Africa?
12. In which countries, even today there is denial of equal right to vote. Explain.
13. How can we define the Preamble of Constitution? What is the significance of the 'Preamble' of the Indian Constitution?
14. Like South Africa, India's Constitution was also drawn up under very difficult circumstances. Justify the statement.
15. Explain the various factors of production.
16. Write short notes on the following:

    i.   Green Revolution.

    ii.   Non-Farm Activities of Palampur

17. "The relief of India displays a great physical variation". Explain how?
18. "India has a large coastal line which is advantageous". Explain
19. Explain any three efforts which can be made to increase non-farming production activities in villages.
20. On an outline map of India, locate the following:
    i.   Tropic of Cancer

    ii.   Mountain peaks – K2, Ana Mudi

    iii.   Western and eastern Ghats
    iv.   Deccan plateau and Malwa Plateau.
    v.   Southernmost part of Indian mainland

K-Rays

Topics related to Social Science.

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