Class 9
Sub-English

LITERATURE-(Thin note-book)

A dog named Duke:- Page 18 Q4 [a,b,c,d]; Page 19 Q5[a,b,c,d,e]

The road not taken:- Page66 Q7[a,b,c]; Page66 Q8[i,ii,iii,iv,v];Page67 Q9

BBC Compacta-

Module 1(Reading) page 4,6,7,8

Module 3 (Diary entries) page 103,104,105,106

Module 4 (Short stories) page 128,130,132,134

Module 5 (Integrated grammar) page 160[(1),(2),(3),(4),(5),(6) and (70)]

page 172[(1),(2),(3),(4) and (5)]

Answer the following questions. (Thin note-book)

1. You are one of the six cadets from your school who were selected to join a flood relief campaign in a nearby village as the embankment of a canal was broken due to heavy rains and about 1500 villagers were stranded. At the end of the day,your team finally succeeded in saving around 200 villagers besides 1000 others saved by other teams. Describe your experience in the form of Diary entry.

2. Write an article on 'Save Water'.(120 words)

3. Complete the story and give it a suitable title. (150-200 words)

   It was a rainy season. There had been a heavy rain the previous night. Little Gultu became curious and went to the riverside to see it flowing upto the brim. To his great surprise, he.............

4. Write a story on a king in your own words. Give a suitable title to your story. (150-200 words)

5. Write an article on 'Importance of Sports and Games' for your school magazine. (120 words)

द राजस्थान इंटरनेशनल स्कूल, कोटपूतली

ग्रीष्मावकाश गृहकार्य 2017

कक्षा—9

1. निम्नलिखित सामासिक पदों का विग्रह करते हुए समास का नाम बताइए एवं उन सामासिक पदों का वाक्यों में प्रयोग कीजिए–

   यथाशक्ति, आजीवन, प्रतिवर्ष, रातोंरात, निस्संदेह, रोगमुक्त, हस्तलिखित, गुरुदक्षिणा, पथभ्रष्ट, पुरुषोत्तम, नीलगगन, कमलनयन, क्रोधाग्नि, त्रिभुवन, शताब्दी, पीतांबर, मृगनयनी, तीव्रबुद्धि, अन्न—जल, आशा—निराशा

2. अपने गाँव या शहर के विभिन्न क्षेत्रों में ख्याति प्राप्त किन्हीं पाँच व्यक्तियों का जीवन परिचय लिखिए।

3. जीवन में बहुत—सी परेशानियाँ होती हैं। आपने अपने आस—पास के क्षेत्रों में किसानों की कौन—कौन सी समस्याओं को अनुभव किया है। किसानों की परेशानियाँ एवं उनके समाधान पर एक लेख लिखिए।
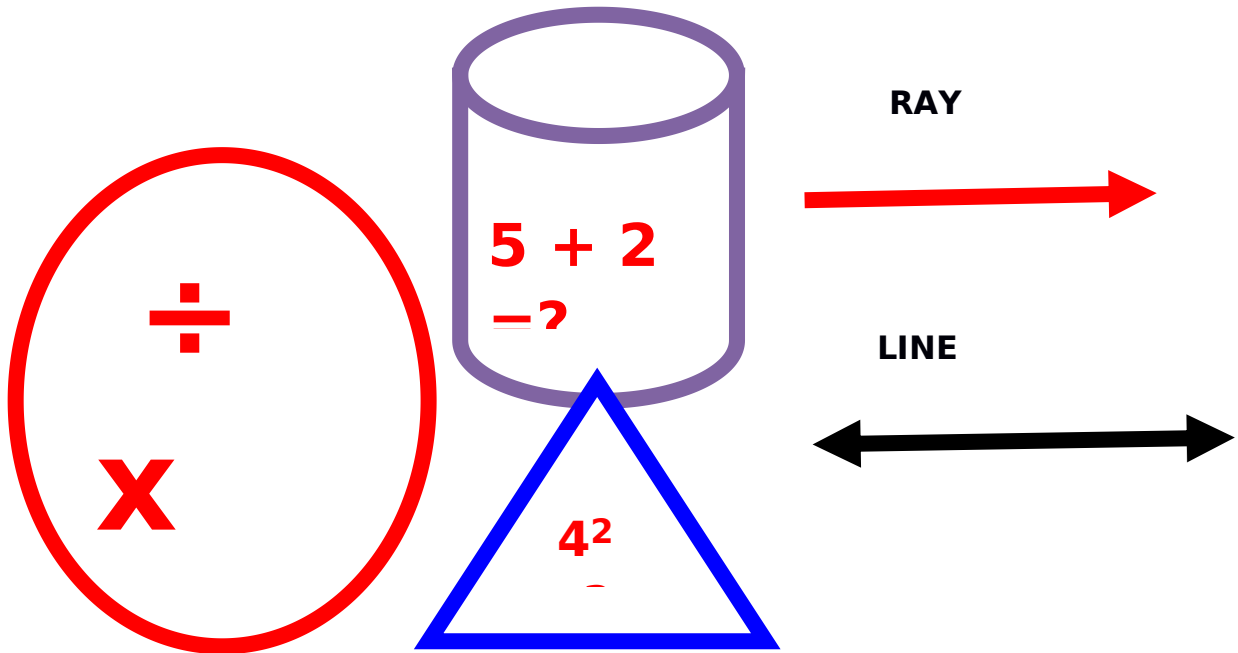
4. किसी प्रमुख दैनिक हिंदी समाचार–पत्र को पढ़िए एवं उनमें से एक राष्ट्रीय स्तर के मुख्य समाचार को अपने शब्दों में विस्तार से लिखिए। (किन्हीं 20 दिन का)

5. बाढ़ एवं सूखा दोनों ही हमारे लिए प्रकोप हैं दोनों ही प्रकार की आपदाओं से निपटने के लिए सरकार के अतिरिक्त स्वयं सेवी संस्थाओं एवं आम लोगों की क्या भूमिका हो सकती है? प्रत्येक का उल्लेख कीजिए।

6. आप जिस शहर या गाँव में रहते है वहाँ कौन–कौन सी सार्वजनिक सुविधाओं का अभाव महसूस करते हैं। संबंधित संस्था (ग्राम पंचायत, नगर पालिका) के मुखिया को उन असुविधाओं से अवगत कराते हुए उनके समाधान हेतु एक पत्र लिखिए।

7. नक्सलवाद से आप क्या समझते हैं, क्या नक्सलवाद, आतंकवाद का ही एक रूप है? इस समस्या से भारत के कौन–कौन से राज्य मुख्य रूप से प्रभावित हैं तथा इस समस्या के मूल में कौन से कारण निहित हैं। हाल ही में सुकमा (छत्तीसगढ़) में एक भीषणतम नक्सलवादी घटना घटित हुई है उस घटना का भी विस्तार से वर्णन कीजिए।

$\div$

X

5 + 2

−2

4^2

RAY

LINE

Dear Parents / Students

In an effort to help the students retain their hard earned Mathematical skills, We have put together some summer homework for practice. This is to reduce the amount of time spent in the beginning of the year in recapitulation. Students are advised to complete the questions given below in separate notebook and submit the notebooks when the school reopens after summer break. Following questions are meant to enhance your knowledge and enrich your Mathematical skills.

1. Find the value of $5^3 \times 5^7$
2. If $x^2 + 3x - 2$ is divided by $x + 1$, find the remainder.
3. Simplify : $(25)^{\frac{1}{2}} \times (64)^{\frac{2}{3}}$

4. Simplify : (5 +) (2 -)

5. Evaluate using suitable identity (102) ^{3}

6. Express 0. $\overline{25}$ in the form of $\frac{p}{q}$, where q 0.

7. Factorise: $3x^2 - 10x + 7$

8. Expand: (2a + 3b + 4c) ^{2}

9. Find 4 rational number between $\frac{4}{5}$ and $\frac{7}{6}$.

10. Factorise : $4x^2 + 9y^2 + 16 z^2 + 12xy - 24yz - 16xz$

11 .Expand: $27x^3 - 1$

12. If x + y + z = 0, then Prove that $x^3 + y^3 + z^3 = 3xyz$

13. Rationalise the denominator of $\dfrac{3}{3 + \sqrt{5}}$

14. Find 104 × 96 without actual multiplication.

15. Simplify: $(16)^{\frac{1}{2}} \times (64)^{\frac{2}{3}}$

16. Locate $\sqrt{2}$ on the number line .

17. Expand $(2x - y)^3$

18. Find the remainder, when $x^3 + 3x^2 + 3x + 1$ is divided by (x - 2)

19. Expand: (a + 3b + 4c) ^{2}

20 Factorise: $4x^2 + 9y^2 + 16 z^2 + 12xy - 24yz - 16xz$

21. Expand: $27x^3 - 8$

22. Rationalise the denominator of $\dfrac{3}{4 + \sqrt{5}}$

23. Find the Factors of $9x^2 - 25y^2$.

24. Express in the form of $\frac{p}{q}$ 0. $\overline{765}$

25. Express in the form of $\frac{p}{q}$ 0. $\overline{135}$

26. Factorise: $x^2 + 5x + 6$

27. Simplify: $\sqrt{5}$ $\sqrt{3}$ ^{2}

28. Simplify: $(\sqrt{5} + \sqrt{3})(\sqrt{3} + \sqrt{2})$

29. Rationalise the denominator of $\dfrac{1}{7\sqrt{3}}$

30. Find four rational number between: $\dfrac{1}{2}$ and $\dfrac{3}{4}$

31. Represent the following on the number line $\dfrac{1}{2}$ and $\dfrac{3}{4}$

32. Locate $\sqrt{3}$ on number line.

33. Find the decimal expansion of : $\dfrac{15}{4}$ and $\dfrac{11}{7}$ and state the kind of decimal expansion.

34. Change into $\dfrac{P}{q}$ form of $0.\overline{47}$, and 0.7

35. Represent $\sqrt{7.3}$ on a number line.

36. Rationalise the denominator (i) $\dfrac{2}{2+\sqrt{3}}$ (ii) $\dfrac{\sqrt{3}+1}{\sqrt{3}-1}$

37. Change into decimal representation $\dfrac{1}{7}$

38. Simplify $\sqrt{25} - 3\sqrt{16} - 4\sqrt{4}$

39. Solve $(3+\sqrt{5})(3-\sqrt{5})$.

40. Simplify $4\sqrt{12} \times 7\sqrt{6}$

41. Determine the quotient and remainder when $x^4 - 2x^2 + x + 3$ is divided by x-3

42. Factorise $9x^2 - 3x - 2$

43. Factorise $3x^2 + 10x + 8$

44. Factorise $x^3 - 6x^2 + 11x - 6$

45 Factorise $x^3 - 10x^2 - 53x - 42$

46. Factorise $27x^3 + 125y^3$

47. Find three different irrational between: $\dfrac{5}{7}$ and $\dfrac{9}{11}$

48. Find the value of the polynomial $2x^3 - 3x^2 - 18x - 8$ at x=1

49.Check whether $x = 1$, 2 are the zeros of the polynomial $2x^4 - 6x^3+3x^2+3x - 2$ or not?

50. Find K such that x-4 is a factor of $2x^3 + kx^2+27x - 28$.

ACTIVITY BASED QUESTIONS

Q.1. Construct the square root spiral in your Notebook.

Q.2. Collect 20 Mathematical Identity from your book and prepare a beautiful chart (A 4-Size) and paste it in your notebook.

(Wish you all a very enjoyable and thrilling summer vacations.)

Subject – Chemistry
Class 9

Q1. Answer the following questions.

I.   On melting of ice there is decrease in volume instead of increase why?

II.   Write about 4th and 5th state of matter.

III.   How does the water kept in earthen pot become cool during summer?

IV.   From your daily experience tell which will evaporate faster? Petrol or water and why?

V.   Boiling point of water is lower in simla than in Delhi why?

VI.   Liquids like ether are kept in cold places why?

VII.   What types of cloth should we wear in summer?

VIII. List the factors which affect the rate of evaporation.

IX.   How does evaporation causes cooling?

X.   Convert the following in to celcius scale :

   a. 273K   b. 0K

Q2. Discuss the procedure to prepare a model which can demonstrate the movement of particles in solids. Liquid and gases.

Q3. Demonstrate the activity that gases can be compressed more as compared to liquids and solids.

CLASS 9

Subject - BIOLOGY

Write your opinion regarding the following issues in your own words in scientific concern- Any two

1. Imagine a situation that the earth is empty of animals.

2. An integrated organic farming scheme in your mind.

3. Your school without machine.

4. Write your opinions if atmosphere is free from its constituents except oxygen.

5. The type and nature of chemicals present in your everyday diet

Write the answers of these questions in your own language –

1.Complex permanent tissues are made of more than one type of cells. Explain one example of such tissue.

2. Write the main features of parenchyma tissue.

3.What are aerenchyma and clorenchyma tissues?

4.Show the location of various meristematic tissue in a plant with the help of diagram.

5. Write the importance of collenchyma tissue in the life of plant.

6. What are the major components of phloem? Which one of them is most important?

7.Name three types of plastids and mention their functions.

8.Why are prokaryotic cells called false cells?

9.Write the names of the discoverers of following cell organelles-

Mitochondria,ribosome,nucleus and golgi body.

10.How are glandular epithelium formed?

11. Name the types of tissue found in –

Kidney tubules,oesophagous,lung alvoli

12. Mention the location and functions of areolar connective tissue.

SUMMER VACATION HOME WORK

CLASS 9

SUBJECT- PHYSICS

1. A woman travels a distance of 1 meter towards north then 2 m towards east and finally 3m towards south. Find.
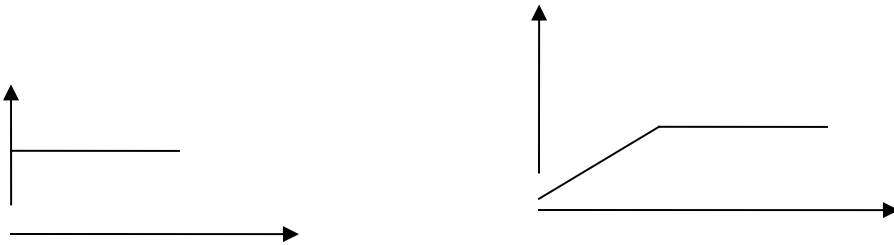
(a) The total distance

(b) Displacement

2. What is the acceleration of a moving body with uniform velocity?

3. An object starts with initial velocity u and attains a final velocity v. If the change in velocity is uniform rate then write the formula for average velocity.

4. What kind of motion of a body is represented by the graph shown.

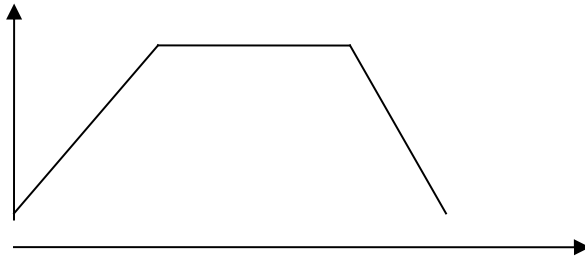5. Make the graph for constant retardation and for non uniform retardation.

6. Make the graph for (speed-time) and (distance- time_) when A ball thrown vertically upward and returning to the hand of thrower.

7. What does odometer of an automobile measure?

8. Study the given graph and answer the following questions.

(i) Which part of the graph shows accelerated motion?

(ii)Which part of the graph shows uniform motion

(iii) Calculate the distance traveled by the body in entire motion.

9.Name the motion where an object does not change its speed but its direction of motion changes continuously. Calculate the speed of tip second hand of watch of length is 1.5 cm.

10. A train covers half of its journey with a speed of 30m/s and the other half with a speed of 40m/s. Calculate the average speed of train during the whole journey.

ACTIVITY

Plan to go a place by a vehicle. Take reading of odometer and speedometer after every 5 minutes till you reach your destination. Record these observation in tabular: Plat graphs between distance time and speed time. State whether this motion is uniform or nonuniform.

THE RAJASTHAN SCHOOL, KOTPUTLI
Holiday Home Work
Class 9
Sub-SOCIAL STUDIES

Q.1.   What is Standard Meridian? From where it passes through in our country?
Q.2   Mention the democratic features of Salvador Allende in Chile.
Q.3   What is a coup? Give one example.
Q.4   What is a referendum?
Q.5   What is a Communist State? Give one example.
Q.6   What was Solidarity?
Q.7   Do you think the International Monetary Fund (IMF) works democratically?Give your   answer.
Q.8   Which freedoms are usually taken away when a democracy is overthrown by military

Q.9   Highlight the similarities between Allende's government and Walesa's government.

Q.10   Suggest any two ways to strengthen the working of UNO.

Q.11   Explain the story of restoration of democracy in Chile.

Q.12   Write fifty hard words from the covered syllabus.

Q.13   Why were women disappointed by the Constitution of 1791 in France?

Q.14   Which were the states most benefited from the Green Revolution?

Q.15   What is human capital?

Q.16   What were the drawbacks of Green Revolution in Indian agriculture?

Q.17   "There are four requirements for production of goods and services" Explain.

Q.18   Locate any industry in your local area or nearby area. What are merits and demerits of   that industry in the area?

Q.19   Conduct a census of 10 families giving information about total number of members,
         age,occupation,qualification and sex.

Q.20   What are different type of pollutions created in your surrounding? What measures   can be taken to reduce the different pollution?

Q.21   What do you understand by power theft? Do you observe this theft in your local area?   Describe impact of this on the economy of country.

Q.22   What are different irrigation methods available in your local area? How water table   Is going down in that area? Give reasons.

THE RAJASTHAN SCHOOL, KOTPUTLI
Holiday Home Work
Class 9
Subject: COMPUTERS/ FIT

Make a scrap book or Power point presentation:

1) Explain various types of Personal Computers like Palmtop, Laptop , Tablet etc in detail.
2) Explain your views through ppt / scarp book that computers are curse/boon to man kin..
3) Write Advantage & Disadvantage of Social Media /sites.

द राजस्थान इंटरनेशनल स्कूल, कोटपूतली

ग्रीष्मावकाश अवकाश गृहकार्यम् 2017

कक्षा—9

1. अधोलिखितानां पदानां वर्णविन्यासं करुत—

   राजस्थान, जयपुर, कोटपूतली, वेदान्तः, अथर्ववेदः, ऋग्वेदः, सामवेदः, चतुर्वेदः, ब्राह्मणः, मंजरी, कृषक, क्षत्रिय, यज्ञ, वैघ, सूक्ष्मः।

2. प्रदत्तउपदविभक्ति सूत्राणां वाक्येषु प्रयोगं कुरुत—

   अमित, परितः, समया, धिक, सह, नमः, बहिः, अधः, उपरि, अनन्तरम्, वामतः, कुशल, स्निह्यति।

3. शब्द रूपाणि लिखत—

   अस्मद्, युष्मद्, तद्, किम्, सर्व, राजन्, आत्यन्, गच्छत्

4. जन्म दिवसस्य शुभकामना पत्रम् लिखत।

5. कश्चित् उद्यानस्य दशवाक्येषु वर्णनम्। चित्रं स्थापयत् उद्यानस्य।

6. संस्कृत भाषायाः महत्वम् इति विषये संक्षिप्तः निबन्धः।

7. उच्चारणस्थानानि रेखाचित्रम्

Subject- VISUAL ART

Class 9

Make a Creative Painting (Paper size 15x 20 inch) Students can use Water colour, Poster colour, Crayon, Pastel Colour & Mix medium etc.
Make a Creative Art work with the help of west material.
Make a Birthday Card with the help of old invitation card and decorate it with west material.