**MILESTONE ACADEMY**

**VACATION HOME-WORK**

**CLASS – IX SUBMISSION DATE – 17.06.19**

**PC/MS/2019-20/IX/ 014**

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**ENGLISH –1.** Prepareillustrated report or PPT on Robert Frost or William Wordsworth with reference

to you book.

**2.** Write an article on the topic - “Our Country Our Responsibility”.

**3.** Create an encyclopedia (5 pictures and explanation for each letter) A to Z.

**HINDI** -1. 1- vuqPNsn fyf[k,%& 1- fo|kFkhZ thou 2- ioksZa dk cnyrk Lo:i

2- Ik= fyf[k,%&

i- fdlh izfl) f[kykM+h ls gqbZ viuh eqykdkr ds vuqHkoksa dh ppkZ djrs gq, viuh l[kh@ vius

fe= dks i= fyf[k,A

ii- vius NksVs HkkbZ dks i= fy[kdj ofj"V ukxfjdksa ds çfr lEeku vkSj lnO;ogkj dh lh[k nhft,A

3- o.kZ&foPNsn ds 15 & 15 mnkgj.k fyf[k, A

**SANSKRIT** - 1-lafU/k &1- ifjHkk"kk 2- izdkj 3- izR;sd izdkj ds 10 mnkgj.k

2- ydkj ifjorZu izR;sd ds 5 mnkgj.k

3- vuqPNsn ys[kue~ & 1- vkn'kZ Nk=k% 2- Ik;kZ;oj.kL; egRoe~

4- izR;; iz;ksx & 1- Y;i~ 2- DRok 3- rqequ~ (izR;sd ds 5)

5- milxZ iz;ksx & fuj~ ] ijk ] iz ] vi ] nqj~ ] (izR;sd ds 5)

**MATHS** –

Q1. Represent on the number line.

Q2. Find three irrational number between 0.2101 and

Q3. If . find the value of x

Q4. if 2x = 3y = 12z . then prove that = +

Q5. Find the value of x , if ( )x × ( )2x = .

Q6. Prove that

Q7. Determine a and b if = 94 a + 3 b.

Q8. If x = 7 + 4 , find the value of + .

Q9. Find the remainder when p(x) = x3 – 6x2 + 2x – 4 is divided by (1 – 2x), by using remainder theorem

and verify the result by actual division.

Q10. Find the value of k , if the polynomial p(x) = kx3 + 9x2 + 4x -10 is divided by (x - 3) leaves remainder -22.

Q11. What must be added to x3 – 3x2 – 12x + 19 so that the result is exactly divisible by x2 + x - 6 .

Q12. If find (i) x - ,(ii) , (iii) , (iv) (v) .

Q13. Simplify : (i) +

(ii) –

(iii) 453 – 253 – 203 .

Q14. If 2a + 3b = 15 and ab =10. Find the value of

Q15. Plot the point on the graph paper and name the quadrant of the following points.

1. (-5,3).
2. (3,3).
3. (3,0)
4. (-5,0)
5. (0,0)
6. (0,-7).

**SCIENCE** –

**Chemistry** – 1. Collect matter on diffusion and its consequences in everyday life.

2. Comparision of 3 states of matter along with diagram.

**Physics** – 1. To verify Newton’s law of motion with practical illustrations.

2. To prove that sound needs a material medium to travel.

**Biology** – 1. Draw a well lablled diagram of plant cell /animal cell in a full size chart paper.

2. Collect leaves of 5 dicot and 5 monocot plants and prepare a herbarium file.

**SOCIAL SCIENCE** –

1. Prepare a project on Natural Disaster (Types and Management)

2. Make a dictionary on important dates and events from

History Chapter 1 - French Revolution, Chapter 2 - Russian Revolution

3. Civics – Chapter 2 - What is Democracy? Why Democracy? (prepare objective questions)

Chapter 3 - Constitutional Design (prepare objective questions)

4. Geography Chapter 2 - The Physical Features of India (Do the Map of Back exercise)

**COMPUTER** – Project (Submit hard copy and soft copy)

Create PPT on the following topics (any one)

(1) Digital Jewellery

(2) E-cash payment system

(3) Driverless car

(4) Biometric technology

(5) Smartcard Technology

**CREATIVE EXPRESSION**-**.**

Record and write the conversation between you and the travel agent for a complete package

(food, lodging, sight view, transport, etc.) a complete trip planned for summer vacation.

**For Eg. :- Written Conversation**

Child :- Sir please brief about the tour packages for different cities.

Agent :- Well ! Just come down to our office and I will give you all the details.

**LIFE SKILLS-** Think of situations where you can “give” yourself to others, gifts which money cannot

buy – such as kindness, thoughtfulness, courtesy, consideration, good nature, courage, tolerance, appreciation. Do not make up stories. Talk about a genuine act - do not boast. Write the incident and your experience of situations where you had given yourself.

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