D.A.V. CENTENARY PUBLIC SCHOOL ,SEC.-12,HUDA,PANIPAT

HOLIDAY’S HOMEWORK

CLASS –IX

(i) Write a short story (with illustrations) based on any movie that you

 like.(On A3 sheet)

(ii) Read Ch.- A Truly Beautiful mind(Beehive) and Ch.-In The Kingdom

 of Fools(Moments) and summarize in notebook.

(iii) Select 10 difficult words from each of the chapters in Q2. Prepare a

 thesaurus by writing their synonyms and antonyms and present in

 any creative way.

(IV) Take three passages of your choice (word limit: 300-400) from any

 newspaper or magazine. Paste in your notebook, frame questions

 on them(min.5) and answer them also.

(v) Revise the syllabus covered till now.

Hindi

1 दो बैलों की कथा से मुहावरे छाँटिए व वाक्य में प्रयोग कीजिये।

2 किसी स्थान की यात्रा के दौरान अनुभव  का वर्णन करे व दृश्यों के चित्र लगा कर उनके विषय मे एक या दो पंक्तियों में लिखे ।

3 पाठ्यक्रम से  तीन राउंड की एक प्रश्नोतरी  तैयार करें ।

4  खेल - खेल में हिंदी शीर्षक के अंतर्गत शब्दो के खेल तैयार करें।

Math

ASSIGNMENT FOR CLASS IX

1 Evaluate $\frac{\sqrt{32 }+ \sqrt{48}}{\sqrt{8 }+ \sqrt{12}}$

2 Express 23.47 in the form p/q.

3 Find two rational numbers between 5/7 and 11/13.

4 If$64^{2x-5}$ **= 4 x** $8^{x-5}$then find value of x.

5 If **x = 6 +** $\sqrt{2}$, find the value of x – $\frac{1}{x}$ .

6 Prove that  **(** $\frac{x^{a^{2}}}{x^{b^{2}}}$**)**$ $ **(** $\frac{x^{b^{2}}}{x^{c^{2}}}$**) (** $\frac{x^{c^{2}}}{x^{a^{2}}}$**)**  = 1

7 If  **x = 9 + 4** $\sqrt{5}$**.** Find value of $\sqrt{x}$ $-$ $\frac{1}{\sqrt{x}}$ .

8 Rationalise the denominator of $\frac{1}{\sqrt{2}+ \sqrt{3}+\sqrt{5}}$

9 If a = $\frac{\sqrt{3 }- \sqrt{2}}{\sqrt{3 }+ \sqrt{2}}$and b = $\frac{\sqrt{3 }+ \sqrt{2}}{\sqrt{3 }- \sqrt{2}}$ **,** find the value of a2 + b2 – 5ab.

10 If x2 + y2 = 58 and x + y = 10 , then find value of x3 + y3 .

11 Factorise 64 x3 – 27 y3 + z3 + 36xyz.

12 If x + y + z = 12 and x2 + y2 +z2 = 64 , then find xy + yz + zx .

13 Find the reflection of the point (-3 , - 2) in y axis. What will be the mirror image of (2,5) in y axis.

 14 Plot these points , join them in order and identify the figure A( 1, 3) ,B( 1, -1),C( 7, -1) ,D( 7,3). Write the co-ordinates of the point of intersection of diagonal.

15 The threewheeler scooter fare in a city is an follows : For the 2 km , the fare is Rs.19 and for the subsequent distance it is Rs.6.50 /km. Taking the distance covered as x km and the total fare as Rs y, write linear equation and draw graph.

16 Draw the graph of 3x + 7y = 20. Find the points where the line meet two axis.

17 Draw the graph of equation 3x – 2y = 6. From the graph find value of x when y = -6

18 A part of montly expenses of a family on a milk is fixed at Rs 500 and the remaining varies with the quantity of milk taken extra at the rate of Rs 20 per kg. Taking quantity of milk required extra as x kg and total expenditure on milk Rs y, write linear equation and draw graph.

19 AB II CD Find x 20.

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1. Make a model of square root spiral up to 7 or square root of 9.3 on Number line.

2. Prepare on A3 sheet Sum of three angles of a triangle is 180 degree by cutting and pasting. OR Exterior angle of a triangle is equal to to sum of of interior opposite angles .

3. Write biography of two mathematicians, also paste pictures on A3 sheets.

4. Prepare a working model of cartesian plane showing coordinates.

5. Do sums of assignment attached.

Sci

1. Prepare model on any one of these-
2. Animal cell
3. Force and laws of motion
4. Epithelial tissue
5. Structure of neuron
6. Miniature water cooler
7. Types of solutions

2. Prepare a chart on any one of these:-

1) D-t and v-t graphs

2) Equations of motion

3) Techniques of separation

4) States of matter-plasma/BEC

5) Cell organelles

6) Animal tissue

3. Solve the cross word puzzle-

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1.S |  | 3.B | 4.L |  |  |  | 2.T |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  | 6.M |  |  |  |  |  |  |
|  |  |  |  |
|  |  | 5.E |  |  |  |  |  |  |  |  |  |  |
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ACROSS:-

1. The process of conversion of solid directly into vapour state

5.The process which is a surface phenomenon

6. Anything which occupies space and mass.

Down:-

1. The measure of extent of kinetic energy of particles.
2. The process which is a bulk phenomenon
3. Also known as hidden heat

4.Prepare biography of any one scientist(his work)

Sst

1. Prepare a project on Diaster management based on effects and mitigation strategies for earthquake,flood and cyclone with a brief description and pictures.
2. Make a poster on “Communal Harmony”.
3. Prepare a sample of ELECTION PHOTO IDENTITY CARD(Voter’s card).

 OR

Make a model of Electronic Voting Machine .

1. Prepare a Question Bank for 1 mark questions as per distribution of R.No.given below.

|  |  |  |
| --- | --- | --- |
| R.NO. | BOOK | LESSONS |
| 1-10 | GEOGRAPHY | L-1,2,3 |
| 11-20 | ECONOMICS | L-1,2 |
| 21-30 | POLITICAL SCIENCE | L-1,2,3 |
| 31 ONWARDS | HISTORY | L-1,2,3 |

PAINTING

* Painting on+ Switch of light when out side Bright”.
* Flower pot with painting or clay work