

# DAV Public School

Sector-VI, Dwarka, New Delhi-110075

## HOLIDAYS' HOMEWORK - AUTUMN BREAK (2015-16)

Class VIII

ENGLISH

Q1. Nature is a great teacher. It is a guide, friend, mentor and philosopher. Prepare a speech in about 150 words on the topic 'Lessons of life nature teaches us'. Write it on an A4 size coloured sheet .

Q2. On an A3 size sheet paste the picture of your favourite sports person and write his biography in about 150 words. Mention the following details.: Date of birth , place of birth, education, sport in which s/he excels, achievements and any other fact which you find interesting.

हिन्दी

प्रश्न १. “आपके विद्यालय मे दिवाली मेला लगने वाला है” इस विषय पर एक आकर्षक विज्ञापन बनाइए ।

प्रश्न २. पर्वों का महत्त्व विषय पर एक १०० से १५० शब्दों में अनुच्छेद लिखिए ।

प्रश्न ३. निम्नलिखित चित्र का लगभग ७५ से १०० शब्दों में वर्णन कीजिए ।



# MATHS

Q1. Evaluate:  $\left[\left(-\frac{3}{5}\right)^{-3}\right]^2$

Q2. If  $x = y^3$ , then what is the value of  $x^5$ ?

Q3. If  $(100)^2 \times (10)^5 = (1000)^y$ , find the value of  $y$ .

Q4. What is the reciprocal of  $[(5)^2 - 2^0]$ .

Q5. Find the value of  $(2)^{-5} \times (64)^{\frac{2}{3}}$ .

Q6. Write in the form of  $\frac{p}{q}$ ;  $\left(\frac{3}{-7}\right)^{-3}$

Q7. If  $\left(\frac{2}{3}\right)^6 = \left(\frac{4}{9}\right)^x$ , find the value of  $x$ .

Q8. Simplify:  $\left\{\left[-\frac{1}{3}\right]^{-2}\right\}^{-1}$

Q9. Find the value of 'p' for which  $\frac{(7)^p}{(7)^{-3}} = (7)^7$ .

Q10. Simplify:  $[(7)^{-1} - (8)^{-1}] - [(3)^{-1} - (4)^{-1}]^{-1}$ .

Q11. Find the value of 'm' if  $\left(-\frac{1}{4}\right)^{3m} \times \left(-\frac{1}{4}\right)^2 = \left(-\frac{1}{4}\right)$

Q12. Simplify:  $\frac{(3)^{-5} \times (10)^{-5} \times 125}{(5)^{-7} \times (6)^{-5}}$

Q13. Evaluate:  $\left(\frac{117649}{1771561}\right)^{\frac{1}{6}}$

Q14. Simplify:  $\frac{25 \times (p)^{-4}}{(5)^{-3} \times 10 \times (p)^{-9}}$

Q15. If  $x = \left(\frac{3}{2}\right)^2 \times \left(\frac{2}{3}\right)^{-4}$ , find the value of  $\left(\frac{1}{x}\right)^{-2}$ .

Q16. Find a no. which when divided by  $[(3)^{-1} + (2)^{-1}]$  gives the quotient as  $[(6)^{-1} + \left(\frac{3}{2}\right)^{-1}]^{-1}$

Q 17 Mark the correct option-

(a) The simplest form of  $\frac{a^{-5} b^{-4} c^{-5}}{a^{-4} b^{-3} c^{-4}}$  is

(i)  $abc$

(ii)  $\frac{1}{abc}$

(iii)  $A^2b^2c^2$

(iv) None of these

(b) The value of  $27^{\frac{1}{3}} \times 8^{\frac{2}{3}}$  is-

(i)  $\frac{4}{3}$

(ii)  $\frac{3}{4}$

(iii)  $\frac{1}{12}$

(iv) 12

(c) The value of m in the following expression is

$$5^{-3} \times 5^{2m+1} = 5^2$$

## SCIENCE

### MAKE YOUR MINI MOVIE!!

Do you know how people started making cartoon films?

Visit: <https://www.youtube.com/watch?v=M2ORklrHUbg> and have a look at how the process of animation originated.

It is just a series of pictures, drawn by hand and made to move fast. Each picture on a movie or cartoon filmstrip is slightly different from the one before and after it. When the film is projected, all those images go by so fast that you never get a chance to see each one separately before the next one comes along. Instead your eyes and brain “hang on” to each image for a moment, making all the pictures merge together which looks like a continuous motion.

Identify why this happens? What is this optical illusion called?

Now make your own flipbook of mini cartoon movie, taking help from the links given below:

<https://www.youtube.com/watch?v=ud8dSDy5IB4>

<https://www.youtube.com/watch?v=Njl-uqnmBGA>

<https://www.youtube.com/watch?v=9X7cfU4umaM>

# SOCIALSCIENCE

Prepare a scrap file or Power point presentation highlighting the achievements and contributions of any 5 social reformers during nineteenth century.

Note

- Prepare 15-20 slides for power point presentation.
- It should be copied on a CD.
- Collect information and pictures from newspapers, books, internet etc. and paste them in a scrap file.

## Worksheet

1. List any 10 names and portfolios of the current Union Council of Ministers in the table given below:

S.N.	Name	Portfolio

2. The president has been entrusted with certain emergency powers. This can happen in three situation:

a. \_\_\_\_\_

b. \_\_\_\_\_

c. \_\_\_\_\_

3. There have been 12 Vice-Presidents of India since 1952. Some Vice-Presidents subsequently became the President of India. Find their names and write in the space provided below:

- i. \_\_\_\_\_  
ii. \_\_\_\_\_  
iii. \_\_\_\_\_  
iv. \_\_\_\_\_  
v. \_\_\_\_\_  
vi. \_\_\_\_\_

4. Collect cartoon strips from newspaper related to Indian political system and make a collage on a chart.

## संस्कृतम्

### ॥ भित्तिपत्रिका-निर्माणम् ॥

1. पञ्चसु वार्षिक-स्फोरकपत्रेषु (A-3 size-coloured sheet) सुन्दरैः अक्षरैः सुभाषितानि लिखतु। उदाहरणार्थम् एतत् अन्तर्जाल-स्थानकं (Blog) पश्यतु - [www.divyavaak10.blogspot.in](http://www.divyavaak10.blogspot.in)