

DAV PUBLIC SCHOOL, EAST OF LONI ROAD
HOLIDAYS HOMEWORK (2018-2019)
CLASS VIII

The much awaited summer vacations have arrived and yes! We have decided to give very little homework so that you have more time to spend on things which you really like, such as hobbies, reading, playing & so many more of them.

So relax & enjoy!

ENGLISH

Q1 Write the review of any one English movie that you have seen and enjoyed & any one that you did not like. Your work should be neat and tidy. You can add pictures or drawings. Each review should carry the following details about the film.

- 1) It's title
- 2) The name of the director
- 3) The names of the writers of the story
- 4) Genre what kind of a film – whether it is a cartoon film, an adventure story/a comedy/a tragedy/a historical drama
- 5) The best thing about the film and the thing that you did not like.
- 6) Recommendation - why people should see it or should not see it.

Q2) Design an English Magazine which should have the following requirement.

- 1) Design an attractive cover page of the magazine
- 2) Create a poster on 'Save Water'
- 3) Jokes
- 4) A page of idioms and proverbs
- 5) Advertisement (atleast three)
- 6) Short story & Poems (self- written& with coloured pictures)

Q3) Write the Format of the following:

- E-mail Roll no (1 to 10)

Q) You are head of the Municipal Corporation . You have received a complaint regarding garbage accumulation in Saket. Write an E-mail in reply to the complaint.

- Notice Roll no (11 to 20)

Q) You are Shyam/ Shyamli of class VIII of DAV Public School. Your school is planning to organize an Environment awareness week . Draft a notice to inform students about the same, in 50 words.

- Informal letter Roll no (21 to 30)

Write a letter to your cousin about the importance of using eco-friendly products and ways to contribute in creating a pollution - free environment.

- Formal letter Roll no (31 to 40)

Q) Write a letter to the Editor of the Times of India complaining about nuisance created by the use of loudspeakers . You are Priyank/ Priya , a resident of sector-15, Vasundhara Enclave , New Delhi.

- Report Roll no (41 to 50)

Q) You are Vansh/ Vanshika of DAV Public School, As a member of the Eco club of your school, you participated ' Rally for Rivers' campaign. Write a report of the program in about 100- 150 words, for your school

(NOTE: To be taken up for discussion after school reopens)

Q4) Collect any five news items on the given issues. Paste them and comment on any two in 120-150 words.

- 1) Environmental issues
- 2) Technological developments
- 3) Women Empowerment

(NOTE: Do the homework on loose sheets)

MATHEMATICS

- Submit all your work in a separate notebook.
- Practice ch – 1, 2 and 5 for first periodic test.

Q1) Find square root of following numbers by repeated subtraction.

(a) 64

(b) 144

(c) 100

Q2) Which of the following are Pythagorean triplet?

(3,4,5), (5,12,13)

Q3) Write a Pythagorean triplet whose one member is.

(a) 6

(b) 14

Q4) Find square root of 1296 by prime factorization.

Q5) Find square root of 53824 and 0.053361 by long division.

Q6) By what number should 2205 be multiplied to make it a perfect square? Also find square root of the perfect square obtained.

Q7) By what number should 11250 be divided to make it a perfect square? Also find square root of the perfect square obtained.

Q8) Find the least number which must be subtracted from 1255 to make it a perfect square? Also find square root of the perfect square obtained.

Q9) Find the least number which must be added to 1359 to make it a perfect square? Also find square root of the perfect square obtained.

Q10) Find square root of $\frac{441}{625}$.

Q11) Evaluate

(a) $\sqrt{98} \times \sqrt{162}$

(b) $\frac{\sqrt{288}}{\sqrt{128}}$

(c) $\sqrt{1.69} \times \sqrt{1.96}$

Q12) To celebrate environment day in school 2025 plants are to be planted in school garden in such a way that each row contains as many plants as the number of rows. Find the number of rows and the number of plants in each row. What value is depicted by the students ?

Q13) Find the cube root of 17576 through estimation.

Q14) Evaluate: $\sqrt[3]{27} + \sqrt[3]{0.008} + \sqrt[3]{0.064}$

Q15) Find the square root of the following decimal numbers.

(a) 2.56 (b) 7.29

Q16) Find the side of the cube whose volume is 820.584 cubic metres.

Q17) Find the smallest number by which 2560 be multiplied so that the product becomes a perfect cube.

Q18) Find the smallest number by which 88209 can be divided so that the quotient is a perfect cube.

Q19) Find the cube root of following numbers using estimation method:

a. 2197

b. 42875

c. 185193

Q20) Find the cube root of following numbers using prime factorization:

(a) 2744

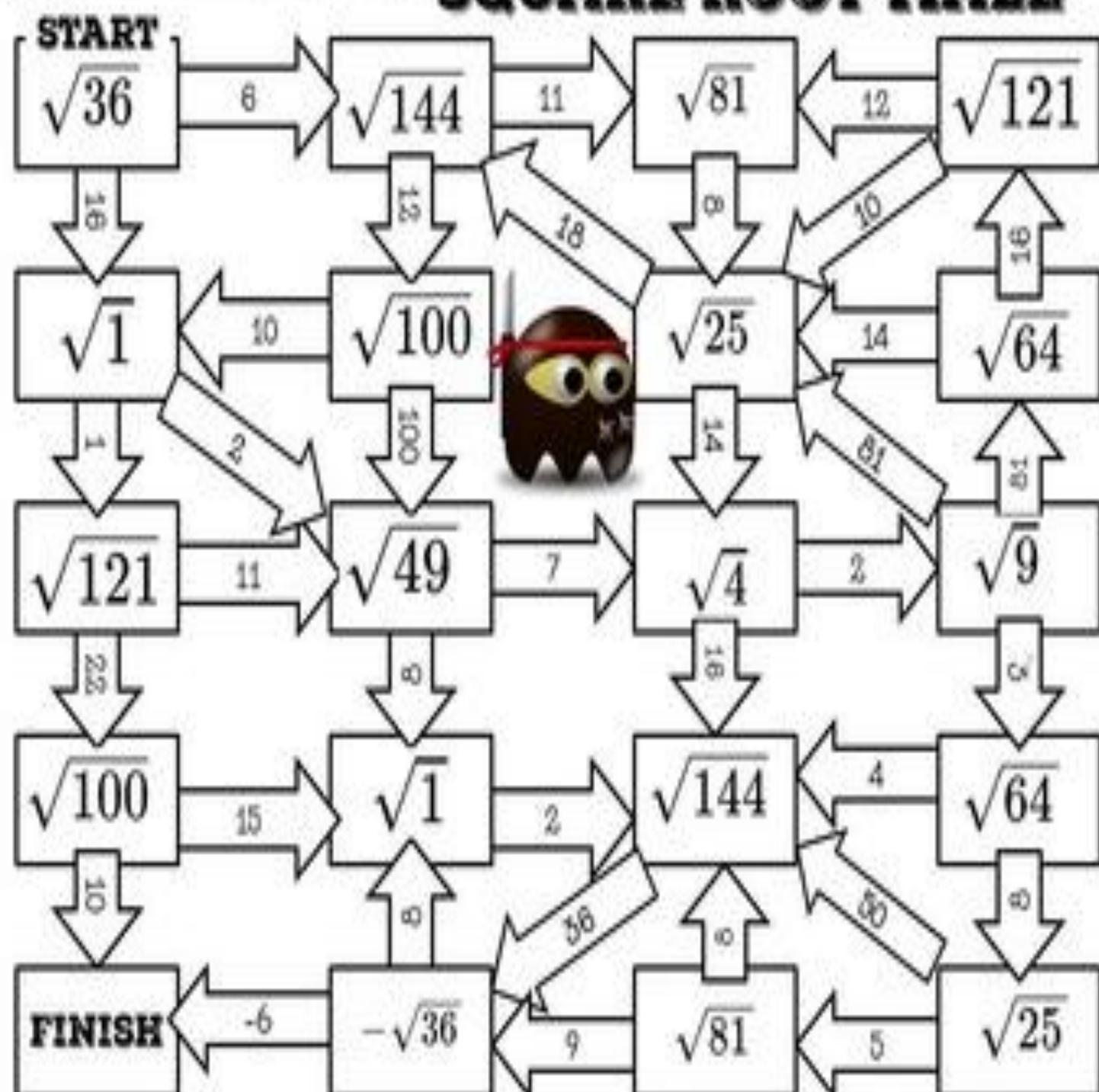
(b) 4913

(c) 91125

- Create a project on the life history of any one Indian mathematician and his/her contribution in the field of Mathematics.

Name _____

SQUARE ROOT MAZE



SCIENCE

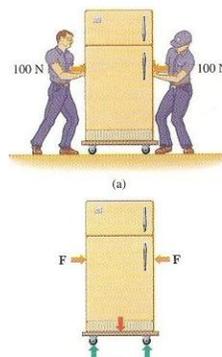
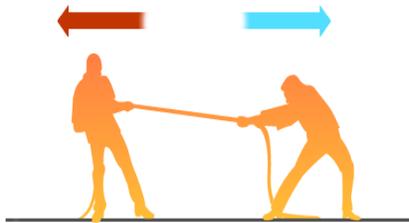
PHYSICS

1. Revise the chapter force and pressure.

Activity : write any one activity based on atmospheric pressure other than given from text book

Worksheet:

1. Why it is advisable to use a school bag with broader straps ?
2. List the effects of balanced and unbalanced force.
3. Name the agents of force acting on a diver in a swimming pool.
4. Why the blunt knife needs to be sharpened for increasing its efficiency?
5. Can we replace tyres of a bullock cart by cycle wheels? Why or why not.
6. If 1N FORCE is acted upon by 2N force in opposite direction what would be the net force.
7. Making chappati out of dough is example or balanced or unbalanced force ? justify.
- 8 identify the type of force in given pictures



BIOLOGY

1. Microorganisms are both useful and harmful to us. Highlight both the aspects of microorganisms supporting relevant pictures and facts of the same. 7
2. Revise the syllabus done so far. Go through each chapter thoroughly.
3. Do the following worksheets on A4 size sheet s-

WORKSHEET 1

MCQ -

- Low temperature prevents spoilage of food because it :-
 - retards microbial growth
 - inactivates enzymes
 - both a & b
 - removes water from food materials
- Which of the following is found to be present in curd ?
 - Lactobacillus
 - Rhizobium
 - Lactovirus
 - Lactococcus
- In the given picture the microbe responsible for the spoilage is a :-
 - virus
 - protozoa
 - bacteria
 - fungus
- The microorganism used in preparation of bread is :-
 - yeast
 - adenovirus
 - Penicillium
 - blue green algae
- Match the column :-

Disease Transmission by

 - Dengue i) infected dog's bite
 - Hepatitis B ii) contact
 - Food poisoning iii) contaminated water
 - Rabies iv) carrier Aedes mosquito bite
 - Pox v) contaminated food
- Fill in the blanks :-
 - _____ are preserved by the use of oil and vinegar.
 - _____ is the process of heat and cold treatment for preserving milk.
 - _____ is a dangerous form of food poisoning.
 - _____ is the oldest method of food preservation.
 - Jellies, squashes and jams are preserved by _____ syrup.
- How the percentage of nitrogen in the atmosphere remains more or less constant ?
- Identify the microorganism in the picture and write any one important feature of it ?
- Pick the odd word out of the following:
HIV, Cholera, Sleeping sickness, Cancer, Citrus canker.
- Write the correct words by putting letters in correct sequence
 - ttiiibcoans
 - gotsenpah

WORKSHEET 2

MCQ

1. Some microbes have a hard outer cover called :-
 - a. protein coat
 - b. mucilaginous sheath
 - c. disc
 - d. cyst
2. A vaccine contains :-
 - a. active disease causing microbes
 - b. weakened or killed microbes
 - c. antibiotic dose
 - d. combination of medicines
3. A group of similar microorganisms living together is called :-
 - a. factory
 - b. colony
 - c. herd
 - d. capsule
4. Atmosphere comprises of 78% :-
 - a. oxygen gas
 - b. hydrogen gas
 - c. nitrogen gas
 - d. carbon dioxide gas
5. Match the column :-
Disease Prevention by
 - a. Pneumonia i) spraying insecticides
 - b. Pox ii) drinking boiled water
 - c. Malaria iii) BCG vaccine
 - d. Tuberculosis iv) isolation of patient
 - e. Jaundice v) using antibiotics
6. Fill in the blanks :-
 - a. ____ reproduce only inside the living cells.
 - b. ____ is a bacteria eating virus.
 - c. Viruses can be seen under the ____ microscope.
 - d. Viruses are regarded as ____ link between living and non living.
 - e. A virus do not have ____ structure.
7. Differentiate between atmospheric, biological and industrial nitrogen fixation ? 9
8. What are chemical preservatives of food ? Name any two of them.
9. Give one word answer to the following:
 - i) A communicable disease caused by female anopheles mosquito.
 - ii) A disease of animals and humans which is caused by bacteria.
10. Write the correct words by putting letters in correct sequence
 - i) rreesavvpit
 - ii) derndhatoyi

CHEMISTRY

1.PROJECT- Collect the data of various gases present in atmosphere of delhi during last 3 years. Compare their level with the optimum level. Write the possible reasons behind the change in the levels of these gases and report the measures to control the change in gases at (i) individual level (ii) community level (iii) government level.

Note: submit the project in a separate folder.

ASSIGNMENT – CHEMISTRY

- Define carbonization?
- How burning of coal can create serious global problems?
- Classify the following resources as natural or man- made : petroleum, bleach, coal, steel, wind, alloys, water.
- Which one is a better fuel coal or coke? Give reason.
- Describe the process through which petroleum is formed?
- Classify the following resources as exhaustible and inexhaustible natural resources : wind, petroleum, coal, natural gas, sunlight, forests, water, minerals.
- What are petrochemicals? Explain.
- What is meant by destructive distillation of coal ?
- Pick the odd word out of the following:
LPG/CNG/Diesel/Petrol/Kerosene/Paraffin/Lubricating oil
- Why do we need to conserve resources?
- What is anaerobic thermal degradation of wood? What is its importance?
- Put the following statements in correct sequence:
In a petroleum refinery -
 - Vapor rises and hydrocarbons with lower boiling points condense at different heights.
 - Hydrocarbons get separated in the fractionizing tower to form the different fractions.
 - Crude oil is heated to 4000C in furnace.
 - Hydrocarbons with highest boiling points condense first.
 - They get collected near base of furnace.

Note: Do these questions in chemistry note book.

SOCIAL SCIENCE

1. Revise L-1 and L-2 of geography
2. Revise L-8 and L-9 of History
3. Revise L-15 and L-16 of Civics
4. Power Point Presentation- Make power point presentation of any one social reformer of your choice from the chapter- Impact of British rule in India.

Instructions:-(a) At least 5 slides has to be there.

(b) Include the contribution of the social reformers in uplifting the Indian society.

(c) Include colourful pictures.

ART & CRAFT

Note:-Submit your Holidays Homework in a presentable manner as per the nature of the work e.g. a work which is two dimensional should be properly laminated) with name slip.
THEME OF HOLIDAYS HOMEWORK IS –

“Namami Ganga”

1. Use bright colors for making composition with related slogan. ‘Reflecting Positive message for our Society’.(Size A-3 Ivory Sheet)
2. Browse internet for collect innovative ideas. This will stimulate your imagination. Make any utility item or any decorative item like Total 6 Pastel Sheet Design an Envelops- by pasting Old Marriage Card color sheets cuttings, etc.

COMPUTER

Find out the name of any 10 educational web sites and write their URL and explain about any 5 websites- contents, author name.

Write about any 5 programming languages that are used for making websites. Write about their inventors name and paste their photo.

GK

- Collect the details of all the match series will be played by Indian cricket team in the year 2018-19. Write it on A4 sheet.
- Write the names of all the members of Cabinet Ministers of India.

हिन्दी

निर्देश --- क. ग्रीष्मावकाश कार्य साफ लेख में और अलग से छोटी कार्य-पुस्तिका में करें।

ख. कक्षा में करवाया गया समस्त कार्य याद करें।

1 आपकी पाठ्य पुस्तक में जिन कवियों या साहित्यकारों के रचनाएँ हैं उनमें से किसी एक पर परियोजना कार्य करें।

- * उनकी जीवन शैली का वर्णन
- * उनकी भाषा शैली की जानकारी
- * उनकी रचनाओं का वर्णन
- * उनकी उपलब्धियों का वर्णन

2 निम्नलिखित विषयों पर अनुच्छेद लिखिए-

- क बचपन से दूर होते बच्चे।
- ख पर्वों का देश भारत
- ग मधुर वचन है औषधि
- घ विद्यार्थी और अनुशासन
- ङ लड़का -लड़की एक समान

3 अपनी पाठ्य पुस्तक में से पाठ-४,५,६,७ में से दस-दस शब्दों का श्रुतलेख लिखिए।

4 छः पृष्ठ सुलेख लिखिए।

5 हिन्दी फिल्म फरारी की सवारी देखिए व उससे प्राप्त शिक्षा लिखिए।

6 प्रतिदिन समाचार-पत्र में से मुख्य समाचार पढ़िए।

संस्कृतम्

१- आवधिक-परीक्षा - पाठ्यक्रमस्य पुनरावतिः कुरुत ।

२- समाचारात् त्रीणि चित्राणि चित्वा (अ३) पृष्ठे अङ्कितं कृत्वा संस्कृते पञ्चवाक्यानि लिखत ।

३- दिव्यम् पुस्तके निम्नलिखित कार्यम् पूरयत -

क - चित्रवर्णनम् ।

ख - पत्रम् ।

ग - अपठित-अवबोधनम् ।

४- प्रतिदिनं दश-शब्दानां श्रुतलेखः लिखत ।

धर्मशिक्षा

१. पाठ्य पुस्तक के आधार पर प्रत्येक पाठ में से कम से कम पाँच लघुउत्तरीय प्रश्नों का निर्माण करो।

२. पाठ्य पुस्तक के आधार पर प्रत्येक पाठ में से कम से कम दो एक वाक्य उत्तर वाले प्रश्नों का निर्माण करो।

३. कक्षा में कराये गये अभ्यास कार्य की पुनरावृत्ति करें।