

DAV PUBLIC SCHOOL ,WAIDHAN

SESSION 2022-23

CLASS – X

HOLIDAY HOMEWORK

विषय -हिंदी

1. अलंकार एवं उसके भेदों की परिभाषा उदाहरण सहित फाइल पेपर में लिखिए।
2. रचना के आधार पर वाक्य के भेदों की परिभाषा उदाहरण सहित फाइल पेपर पर लिखिए।
3. सभ्यता और संस्कृति में क्या अंतर है? फाइल पेपर पर संक्षेप में लिखिए?

SUBJECT - PHYSICS

1. (a) What is the value of magnification when the size of image formed by a concave mirror is equal to the size of the object?

(b) An object 2 cm high produces a real image 2.5 cm high, when placed at a distance of 15 cm from a concave mirror. Find,

(i) the position of the image and (ii) focal length of the concave mirror.

2.(a) Draw ray diagrams and show the nature of images formed in the following cases, when

(i) object is placed between F and 2F in front of concave lens. (ii) object is placed between F and 2F in front of convex lens.

(b) An object 50 cm is placed on the principal axis of a convex lens. Its 20 cm tall image is formed on the screen placed at a distance of 10 cm from the lens. Calculate the focal length of the lens.

3.(a) A doctor has prescribed a corrective lens of -42 D to a person suffering from defect of vision.

11(a) The potential difference between two points in an electric circuit is TV What does it mean? 1 ? Name a device that helps to measure the potential difference across a conductor.

(b) Why does the connecting cord of an electric heater does not glow while the heating element does?

(c) Electrical resistivities of some substances at 20°C are as given below

(1) Identify the defect from which he is suffering (ii) Is the prescribed lens is diverging or converging? Show the nature of the lens with the help of a ray diagram.

Silver $1.60 \times 10^{-8} \text{ } \Omega\text{-m}$

Copper $1.62 \times 10^{-8} \text{ } \Omega\text{-m}$

Tungsten $5.2 \times 10^{-8} \text{ } \Omega\text{-m}$

Iron $10.0 \times 10^{-8} \text{ } \Omega\text{-m}$

Mercury $94.0 \times 10^{-8} \text{ } \Omega\text{-m}$

Nichrome $100 \times 10^{-6} \text{ } \Omega\text{-m}$

Answer the following questions using following data.

(1) Among silver and copper, which one is a better conductor and why?

(ii) Which material would you advise to be used in electrical heating devices and why?

4. Draw magnetic lines of force for a current carrying solenoid. Also, explain the pole formation at its ends.

5.(i) Name any three common defects of vision and state the cause of each defect. (ii) A person cannot see objects beyond 2 m distinctly. State the nature and focal length of the lens which could be used to correct his vision.

6.(i) In which manner can two identical prism be used so that a narrow beam of white light incident on one prism emerges out of the second prism as white light? Represent the given situation with the help of a ray diagram.

(ii) What will be the focal length of eye lens when eye muscles are relaxed?

SUBJECT– Chemistry

1. Write atleast 10 MCQ from each chapter.
2. Study every Activity given in between the chapters.
3. Balance 20 equations by yourself.
4. Solve exemplar problems provided.
5. Prepare for Pre board.

विषय: - संस्कृतम्

1- 'किम् ' शब्दस्य शब्दरूपाणि पुल्लिङ्ग- स्त्रीलिङ्गे लिखत स्मरत च ।

2- गतिविधि: - स्क्रैप - पेपर कर्तनं कृत्वा समयलेखनं रचयत ।

4:00 , 5:15 , 6:30 , 7:45

SUBJECT - COMPUTER

Prepare project file as instructed.

Subject:- Biology

1. Write at least 10 MCQ from each chapter.
2. Study every Activity given in between the chapters.
3. Solve exemplar problems of chapter – The life processes
4. Make a project model

Roll no. 1 to 10

(Circulatory system)

Roll no .11 to 20

(Respiratory system)

Roll no .21 to 30

(Clay model of human brain)

Roll no 31 to 40

(Excretory system)

Roll no . 40 to 45

(Reproductive system)

Note :- Except human brain all the model should be working model.

SUBJECT : ENGLISH

1. Make a portfolio of any one of the given topics:-

a) The trees (poem by Adrienne Rich)

b) For Anne Gregory

c) The Tale of Custard ,the dragon

SUBJECT : SOCIAL SCIENCE

1. MAKE A PROJECT ON CONSUMER AWARENESS.

2. FRAME 30 QUESTIONS AND THEIR ANSWERS FROM THE CHAPTERS PRESCRIBED FOR YOUR PERIODIC TEST THIRD.

SUBJECT : MATHS

1. Revise chapter- 12,14,15.

2. Solve any 2 sample paper.

3. Complete maths lab Manual.