

# JPDAV PUBLIC SCHOOL, GANAUR

## HOLIDAY HOMEWORK CLASS 9

### ENGLISH

Project:

(a) Write different article UBs like- self composed poems, reports on excursion, speech, diary entries, story writing, riddles, puzzles, etc. for School Magazine( any three)

(b) Reading of a story book or short novel etc. and do write their Book Review properly with the theme and summary, characterization etc.

(C) Assignment:

1. Write Summary for any Two chapter done in class from the both text book including all the events,

characters in detail

D. Letter Writing-(one example for each)

Business Letter- Complaint, Placing Order, Enquiry.

Official Letter- Editor, any Office/Department of Govt

E. Diary Writing (any one memorable day of Summer Break)

F. Article

Writing Topic-

E -fever"

(G) Grammar: (2 exercise for each)

1. Editing

2. Omission

n

3. Jumbled Words

Do any 5 sections from 7

## विषय हिंदी

### **ग्रीष्मावकाश कार्य 2021-2022**

अप्रैल एवं मई में कराए गए सम्पूर्ण कार्य की पुनरावृत्ति करें |

पाठ धूल पर पी.पी.टी तैयार कीजिए |

पाठ दुःख का अधिकार में आपने भगवाना की माँ जैसी किसी दुखिया को देखा है तो उसकी कहानी लिखिए |

दोहे पाठ से कोई पांच a/4 शीट पर लिखिए एवं सस्वर वाचन की रिकॉर्डिंग कीजिए |

वैक्सीन के बारे में आपकी राय 100 शब्दों में लिखिए |

पुरानी और नई शिक्षा नीति के बारे में १०० शब्दों में लिखिए |

## **Class-IX (Physics)**

### **A. Do these questions in your note book**

1. Can a body have constant speed but variable velocity? Give an example in support of your answer.
2. A car decreases its speed from 20 km/h to 15 km/h in 5 second . Find acceleration.
3. A man covers a distance of 3 km towards east then 2 kilometre towards north and then 3 kilometre towards east again. Find the distance and displacement of this motion.
4. A bus is moving at a constant rate of 40 km/h for 2 hours and then at a constant rate of 50 km/h for more 2 hours .What is the average speed ?
5. On a 120 kilometre track, a train travels the first 30 km at a constant uniform speed of 30 km/h. Calculate the speed with which the train travel rest of the track so as to get the average speed of 60 km/h for the entire trip .

### **B. Draw following graphs**

#### **Distance time graphs for**

1. Uniform Motion
2. Non uniform motion
3. Object is at rest

#### **Velocity time graphs for**

1. Uniform motion
2. Uniform and non uniform accelerated motion having initial velocity is zero and non zero.

### **C. Draw equations of motion for accelerated motion.**

### **D. Art integrated activity**

Make the concept map of chapter 8 motion on chart.

### **E. Revision work**

**Revise and do practice of blue box and NCERT questions.**



## **BIOLOGY**

- ❖ Draw the figures of various types of cells present in human body.
- ❖ Draw a mind map to show cell components, cell organelles its discoveries and their functions.
- ❖ Draw the nucleus of the cell and write a short note for the following
  - A) Double layered structure which encloses the nucleus
  - B) Visible entangled mass of thread like structure
  - C) A darkly stained round structure inside the nucleus
- ❖ Differentiate the following terms
  - A) Cytoplasm and nucleoplasm
  - B) Plant cell and animal cell
  - C) Prokaryotic and eukaryotic cell
- ❖ Where do the lipids and proteins constituting the cell membrane get synthesized?
- ❖ Draw a neat labelled diagram of mitochondria and label its parts.

*Subject :- Maths*

**Note :- do your holiday homework in your Classwork Notebook**

*Part :- 1*

*1. Revise chapter 1 , 2 , 3 , 4 from NCERT book*

*Part :- 2*

*Note :- extra questions from chapter wise*

*Q1. Find any irrational number between  $\frac{1}{3}$  and  $\frac{1}{2}$  .*

*Q2. Find three irrational number between  $\sqrt{2}$  and  $\sqrt{3}$*

*Q3. Locate  $\sqrt{6}$  ,  $\sqrt{10}$  ,  $\sqrt{17}$  on the number line .*

*Q4. Locate  $5+\sqrt{2}$  on the number line .*

*Q5. Find geometrically the  $\sqrt{5}$  .*

*Q6. Represent  $\sqrt{8.57}$  on the number line .*

*Q7. If  $(\sqrt{2}+\sqrt{3})/(3\sqrt{2}-2\sqrt{3}) = x+\sqrt{6}y$  , Find the value of x and y .*

*Q8. Express  $1/(\sqrt{5}+\sqrt{6}-\sqrt{11})$  with rationalised denominator .*

*Q9. If  $x = 3+2\sqrt{2}$  , Find  $\sqrt{x} + 1/\sqrt{x}$  .*

*Q10. Find the value of p and q so that  $x^2-1$  is a factor of  $px^4+qx^3-2x^2-4x-1$ .*

Q11. Find the value of  $a$  and  $b$  so that  $x-1$  and  $x+2$  are factors of  $x^3+10x^2+ax+b$ .

Q12. Factorise  $4x^2+4x-15$ .

Q13. Factorise  $x^3-3x^2-9x-5$ .

Q14. Factorise  $(x-y)^3 + (y-z)^3 + (z-x)^3$ .

Q15. If  $x+1/x = 4$ , find the value of  $x^2+1/x^2$ .



*Part :- 3 ( lab activity)*

Q1 Constructing the square root spiral with different colored papers on chart .

**Subject-Social science**

Q1 fill the map of following chapter in geography:---

- A) Size and location chapter 1st
- B) Physical features of India chapter 2
- C)

Q2 Read chapter that had been taught in online class and mark all one marks question for write in notebook.( Not in favour)

Q3 what is **cyber attack**? What Can be possible harmful effect of cyber attack in India . (write in 200 words)

Q4 Prepare a project on disaster management ( choose any one)

Note:-project should be handwritten by students themselves.

It should not be exceed more than 10 pages.

(Projects on any pages available at home)

**Class – IX ( Information Technology)  
(Subject Code:402)**

1. Learn and Complete all that has been taught till now.

Chapter 1. Communication Skills – I

Chapter 2. Self – Management Skills – I

Chapter 3. Basic ICT Skills – I

2. Activity : Check the name of the Antivirus software installed in your computer/Laptop.  
Scan the drive to Check for Virus.

3. Project Work from Chapter 3 – Introduction to ICT, Role and Importance of ICT  
ICT in our daily Life, ICT Tools , Operating System, Files and Folders  
Introduction to Internet, Applications of Internet, Websites and Web Pages, Email Accounts,  
Sending and Receiving Email, BLOG, TWITTER, FACEBOOK, YOUTUBE, WHATSAPP  
DIGITAL INDIA

(Note : It must be for every student to prepare a Project file.)

4. Make a PowerPoint Presentation on the topic :-  
Describe the Role of ICT in Day – to I Day Life (Basic ICT Skills – I)





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