

DAV PUBLIC SCHOOL BARIATU

SUMMER HOLIDAY HOMEWORK

CLASS IX

SESSION: 2021-22

ENGLISH 2021-22

Q.1

Listen to the audio and answer the questions accordingly:

(NOTE:THE FOLLOWING LINK CONTAINS AUDIO FOR BOTH Q 1 AND Q 2.)

https://drive.google.com/drive/folders/1gEKOXZSmU50FQxrwwsyV_PusDSQtEzKI?usp=sharing

GPS: Global Positioning System

1. Global satellite-based system.
2. Maintained by the United States military.
3. A network of satellites in space.

Satellites:

1. Circle the Earth a day.
2. Transmit signals to the Earth continuously
3. At least visible any time.
4. Include information about the time of signal and position of satellite

GPS receiver:

1. Device with its own computer and
2. Needs signals from satellites

Assisted GPS technology:

1. Used in
2. download information from satellites

3. Helps quickly calculate positions and directions

GPS data:

1. Accurate
2. Free
3. Available 24 hours, 365 days, everywhere
4. Affected by moving vehicles,
5. Cannot be used inside buildings, caves, underwater, underground.

Q. 2

Read these sentences before you listen to an expert talk about the importance of sleep for children. As you listen, mark them correct if the speaker states these ideas.

1. Young people aren't getting enough sleep.
2. Low sleep influences our mood.
3. When we get tired, we also get angry.
4. We cannot sleep whenever we want to, so its a problem.
5. Low lights help us to feel sleepy.
6. Young people should try and change their school routine.
7. Young people believe binge sleeping helps.
8. The moving images on the TV keep us awake.

Q. 3

You have read about the great scientist Albert Einstein. Make a five slide PPT that talks about him with regards to his background, his early years and his contribution to science.

Q. 4

Create a survey, with questions to be answered by your parents and grandparents about their school experience:

Questions	Parents' response:	Grandparents' response:	Margie's school:	Your own school:
1. How far was your school from Home?				

2. How did you go to school?				
3. Where there any food joints in the vicinity of your school?				
4. Was there strict regimentation in your school?				
5. Did you get Homework everyday ?				

Q.5

Encircle the odd one out:

- a) pleasure, misery, happiness, delight.
- b) Note, diary, book, copy
- c) TV, computer, mobile, scanner
- d) Display, exhibit, appear, show
- e) Scornful, contemptuous, mocking, diversity.
- f) Illuminating, gladdening, pleasing, gratifying

Q. 6: Look at the following picture and do as directed;

Who is who in the queue?

These people are queueing up for the bus. It is thirty minutes late and they are getting fed up! Read the descriptions and write the names in next to the right number.



- 1).....
- 2).....
- 3).....
- 4).....
- 5).....
- 6).....
- 7).....
- 8).....
- 9).....

My name is Lana Smith. I am quite short and I have got short curly black hair. I am wearing a yellow T-shirt and blue jeans. My shoes are black with a small heel. I'm going shopping for some new clothes.

My name is Lou Grant. I am short. I've got a large nose and a moustache. I'm a bit bald on top! I'm wearing a white shirt with a red tie. My trousers are blue.

My name is Jacquie Dean. I'm OK with waiting for the bus - it's not too bad. I've got short ginger hair and I'm wearing my red lipstick. My T-shirt is pink and my trousers are turquoise. I'm reading my newspaper.

I'm called Lorna. I'm pretty angry about having to wait! I'm quite tall with curly black hair. I'm wearing a green dress and light green shoes. I've got my pearl necklace on as I'm going to meet my friend for lunch.

- 1) Who is hoping to get a job?
- 2) Who is going to meet a friend?
- 3) Who is feeling fine about waiting for the bus?
- 4) Who is with a family member?
- 5) Who is going to buy some new clothes?
- 6) Who sees the bus?
- 7) Who is the oldest in the queue?
- 8) Who is second in the queue?

I'm Joe Black. I'm going for a job interview and I'm going to be late! I'm quite short and I've got short black hair. I'm wearing a brown overcoat and my brown bowler hat.

I'm Jack Jones. I'm tall and I'm sixty. My hair - what there is left of it! - is grey. My shirt is turquoise and my trousers are grey. I'm angry!

My name is Micky and I'm with my Mum. She is reading her paper. I'm wearing my white T-shirt and blue jeans. I'm the youngest person in this queue.

I'm Jim Jackson. I've got curly blond hair. My shirt is pink and my trousers are blue. I am so bored that I am sleeping!

I'm Jerome LeBon. I'm not at all happy! The bus is late! I'm wearing an orange jumper and green trousers. My trainers are yellow. Oh, at last, here comes the bus!

Q.7: Read the following passage and answer the questions that follow-

Recycling

read the passage.



Recycling is very important in our lives because the waste we create is increasing all the time. The rise in population means that there are more people on the planet to create waste. New packaging are being developed, but much of these products contain materials that are not eco- friendly. New lifestyle changes, such as eating fast food, means that we create additional waste that isn't recyclable. Recycling helps to decrease the pollution caused by waste. It reduces the need for raw materials so that the rainforests can be preserved. Huge amounts of energy are used when making products from raw materials. Recycling requires much less energy which helps to preserve natural resources. We should always remember that making products from raw materials costs much more than if they were made from recycled products.

Circle T (True) or F (False).

- 1 Recycling is very important in our lives.
- 2 More people create less rubbish.
- 3 Fast food creates more recyclable waist.
- 4 Recycling helps decrease pollution.
- 5 We need more raw materials with recycling.
- 6 Recycling saves the rainforest.
- 7 Raw materials are cheap.
- 8 Everyone should consider recycling.

- | | |
|---|---|
| T | F |
| T | F |
| T | F |
| T | F |
| T | F |
| T | F |
| T | F |
| T | F |



ग्रीष्मावकाश गृहकार्य (2021- 2022)

कक्षा IX

विषय - हिंदी

1 निम्नलिखित उपसर्ग से दो - दो शब्द बनाइए

अनु , कम, ना, प्रति, वि , बे, दु , सु, गैर, अभि

2. निम्नलिखित प्रत्यय का प्रयोग करते हुए दो - दो शब्द बनाइए

अन, आवट, आहट, कार, ईला, त्व, गर, हार, ता, एरा

3. निम्नलिखित प्रश्नों के उत्तर दें।

क) गया के घर हीरा और मोती ने स्वयं को अपमानित महसूस किया, क्यों ?

ख) हीरा मोती ने काँजीहौस में बंद जानवरों का जीवन किस प्रकार बचाया ?

ग) लहासा की ओर पाठ के आधार पर सुमति की चारित्रिक विशेषताओं का उल्लेख कीजिए ।

घ) सुमित गंडे कैसे बनाते थे ? वे यह काम क्यों करते थे ?

4, प्रेमचंद की कहानी ' पूस की रात ' पढ़िए (यू ट्यूब से कहानी का वीडियो भी देख सकते हैं) और बताइए कि 'हल्कू' ने खेत की फसल के नष्ट हो जाने पर चैन की सांस क्यों ली ?

कक्षा- नवमी (ग्रीष्मावकाशस्यगृहकार्यम्)

1) कोरोनामहामारीसमस्यायाः समाधानोपायान्चित्रनिर्मायपंचवाक्यानि लिखन्तु ।

2) सन्धिं सन्धिविच्छेदंवाकृत्वलिखन्तु ।

क) जगदीशः च) प्रबुद्धः+अस्ति

ख) भानूदयः छ) न + एवम्

ग) पवनः ज) मनः + रथः

घ) इत्यादिः झ) नमः + ते

3) प्रकृति - प्रत्ययसंयोज्यविभज्यवालिखत ।

क) सम्पठ्यच) चल् + क्त्वा

ख) पठित्वाछ) आ + गम् + ल्यप्

4) उपसर्गस्यपरिभाषालिखित्वाद्वाविशतिउपसर्गान्नामानिलिखन्तु ।

5) सरलतयासंस्कृतभाषायाम्अनुवादंकुरुत ।

क) मैविद्यालयजाताहूँ ।

ख) तुमजल्दीगृहकार्यकरो ।

ग) वहकलघरजायेगी ।

6) अधोलिखितानिकथनानि (कः / काकथयति) लिखन्तु ।

1) पूर्वं प्रातराशःक्रियताम् ।

2) सूर्यातपे तण्डुलान् खगेभ्यो रक्ष ।

3) तण्डुलान्माभक्षय ।

xxxxxxxxxx

SUBJECT- MATHEMATICS , CLASS-IX

1. Paste the photographs of three mathematicians ,Pythagoras, R. Dedekind and G. Cantor on a paper and write about any one of the three .

2. Take four strings of different sizes and paste each of them in a circular form on a plane paper to form four circles. Prepare a table as given below to find the value of π .

Circle Numbers	c (circumference)	d (diameter)	c/d
1			
2			
3			
4			
			Average =

3. Write the set of numbers which belong to the following

letters: N, W,Z, Q and R

4. Write 5 examples of each of the following :

a) terminating rational numbers

b) non-terminating rational numbers

c) irrational numbers

—

5. Represent $\sqrt{17}$ on a number line.

6. Evaluate :

$$230+229+228$$

$$\overline{231+230-229}$$

7. Express 3.425555..... in the form of p/q .

8. Simplify :—

$$\frac{2\sqrt{3}}{\sqrt{3}-\sqrt{2}} + \frac{3}{\sqrt{2}}$$

$\sqrt{\quad}$

$\frac{3}{+}$

$\frac{\sqrt{\quad}}{2}$

9. Arrange in ascending order : ${}^3\sqrt{2}, {}^4\sqrt{2}, {}^{12}\sqrt{32}$
10. If $a+b+c=12$ and $a^2+b^2+c^2=90$, find $a^3+b^3+c^3-3abc$.
11. Factorise : a) $121 - 2ab - (a^2+b^2)$ b) $x^8 - y^8$
12. Find the mirror image of the following about x-axis : a) $(-4, 5)$ b) $(-2, -3)$ c) $(5, -6)$
13. Find the zero of the polynomial , $p(x) = x^2 - 3x + 2$
14. Find the remainder when $x^3 - 2x^2 + 6x - 2$ is divided by $x - 2$.
15. Evaluate : $(1.5)^3 - (0.8)^3 - (0.7)^3$

Science

Class 9

Biology

1. What is cell theory ? Who formulated it?
2. Write the full form of DNA and ATP.
3. What is the importance of nucleus?
4. Explain osmosis with example.
5. Draw and label a plant cell neatly.
6. Why is plasma membrane called selectively permeable membrane?
7. What is the function of chromosome.
8. Name the cleansing organelle in the cell.
9. How does amoeba consume food?

Chemistry

1. Prove that our atmospheric air contains a definite amount of water vapour in it
Draw/paste the pictures of the activity done.
2. Show that the rate of evaporation increases by increase in wind speed draw or paste the pictures of the activity done.
3. What is dry ice? Write the uses of dry ice.
4. Why a stream of water cannot be cut from an open water tap?

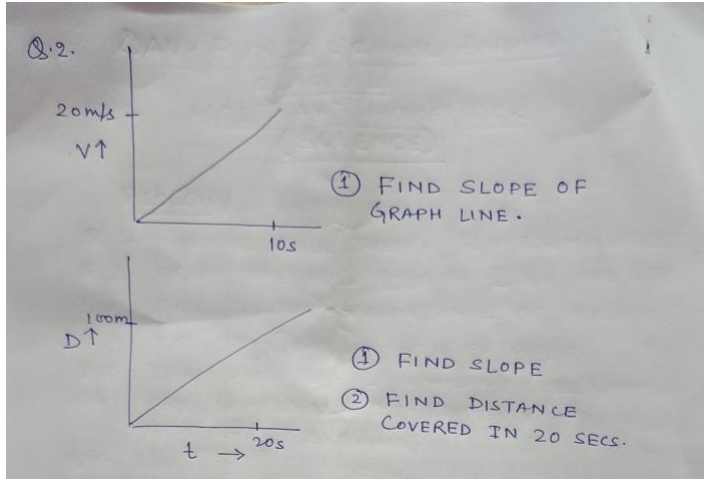
Physics

1. One day you plan to go from the earth to the Mars and then to the Uranus

What is the distance covered?

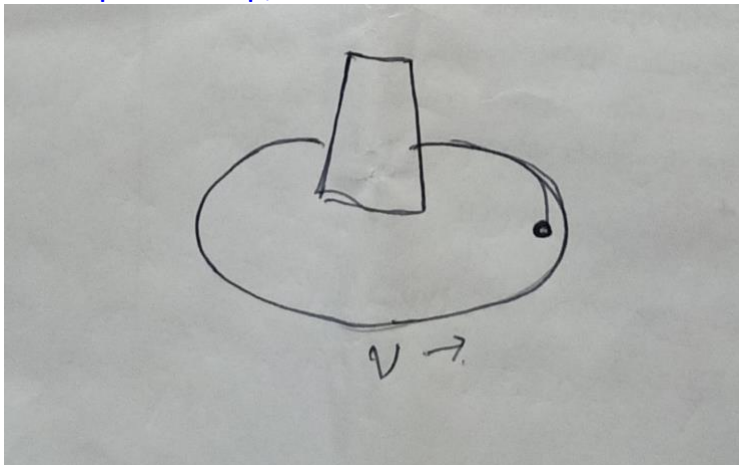
What is the displacement?

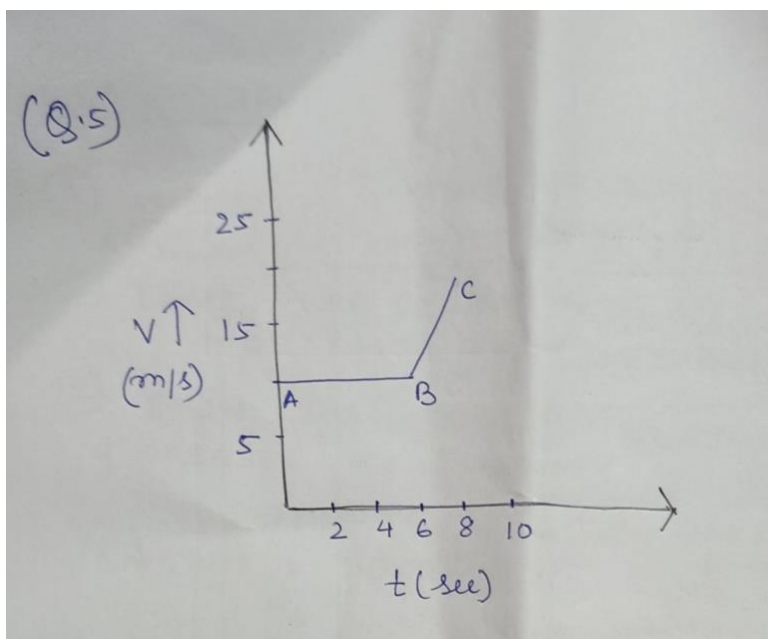
If in one day you complete the journey find the speed and velocity of your journey.



2.

3. Make a top with help of a cardboard OR, old CD make a mark on the one end of disc. Spin the top, count number of rotations and find the speed of the mark.





4.

- Find displacement from graph 0-4 sec and verify result from using suitable equation of motion.
- Find slope BC from graph. Verify result from EGF of motion.
- Find total displacement in 8 secs.

SUBJECT: SOCIAL SCIENCE

CLASS: IX

HISTORY CIVICS

1	Make a time-line of French Revolution and Russian Revolution (depicting the important dates and key events)	<i>Time-Line</i>
2	Draw a list of symbols used by the French Revolutionaries .What did those indicate during the French Revolution. Why were these symbols used and what was its impact on the common people? Select a relevant issue of the present time and design a symbol to indicate it.[eg-disarmament,peace,childlabour,women empowerment or any other of your choice]	<i>Project Work</i>
3	<p>A) On the outline political map of France, locate and label the following:</p> <ul style="list-style-type: none"> • Bourdeaux • Nantes • Paris • Marseilles <p>B) On the Political Map of the world mark the Major countries of First World War (Central Powers and Allied Powers)</p>	<i>Map Skills</i>

4	Make a report on the contribution of Nelson Mandela and Mahatma Gandhi in the freedom movements of South Africa and India respectively	<i>Report Preparation</i>
5	Write down the merits and demerits of Democracy. Why is Democracy considered as the best form of the government?	
6	Suggest ideas to prevent Covid 19 third wave in India. What preparations should be made by our Government in advance to minimise its impact? What changes do you perceive in our lifestyle Post Covid?	

Geography Economics

1	On an outline map of India locate the following: A) The three parallel ranges of Himalayas B) Thar desert, Western ghats, Lakshadweep islands C) K2 and Mansarovar lake D) Vindhya and Satpura ranges	<i>Map Skills</i>
2	In the political map of India locate and label the following: A) A neighbouring country in the east B) An island country in the South-West C) Palk strait D) A landlocked state in the east E) Smallest state F) Southern-most point of Indian mainland G) Tropic of Cancer H) Standard Meridian of India I) An island of coral origin J) Eastern-most state	<i>Map Skills</i>
3	Make a list of Non-farming activities of a village. Are these activities providing sufficient job and income to the villagers? If not what should be done by the government, give your suggestions.	
4	Which capital would you consider to be the best----- Land, labour, physical capital and human capital. Why?	

INFORMATION TECHNOLOGY

Holiday Homework (Summer Vacation 2021-2022)

Theoretical Questions:-

- 1) Explain any five ICT Tools which is used in Information & Communication Technology.
- 2) Explain Basic Computer Organization & its components with a suitable diagram.
- 3) Explain any five applications of Internet which is used in day to day life.

Practical Questions:-

- 1) Prepare a presentation on different types of Hardware using Open Office Impress.
- 2) Prepare a presentation on different types of Software using Open Office Impress.
- 3) With the help of Online shopping applications, prepare a **price list (approx.)** with their **specifications** for the following devices :-
 - (a) Motherboard
 - (b) SMPS
 - (c) RAM
 - (d) Hard Disk
 - (e) Processor
 - (f) Keyboard
 - (g) Mouse
 - (h) Monitor

Subject- ARTIFICIAL INTELLIGENCE

Std-IX

- A. Create a Presentation for different parts of Computer including
 - I. Input Device
 - II. Output Device
 - III. Processing Device
- B. Create a Presentation (continue in the previous one)
 - I. List the various tools that are being used for ICT.

SUB – Automotive

CLASS -IX

Create a Mini Project on one of the following:-

- a. History of Automobiles
- b. Evolution of Automobiles
- c. Types of Automobiles