Gurukul Montessori School

Holiday Homework 2023-24 Class 9th

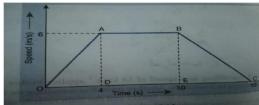
Subject : Biology

- 1. Prepare an investigatory project on Haemoglobins count of human being.
- a. Visit a clinic and prepare a record of blood count of different group of people in age group of 10 to 60.
- b. What will be the blood count of Haemoglobins in toddlers?
- c.Comment upon the difference between blood count of male and female?
- 2. Preapre a model of any one cell organelles.

[Note-Do the written work in C.W copy of Biology]

SUBJECT - PHYSICS

- 1 Give the definition of uniform and non uniform motion.
- 2 Distinguish between speed and velocity.
- 3 Give the definition of uniform and non uniform acceleration
- 4 Convert 80km/hour into m/sec
- 5 Convert 10m/sec into km/hour
- 6 Draw the following
 - (i) distance-time graphs for uniform and non uniform motion.
 - (ii) Velocity -time graph for uniform velocity
 - (iii) Velocity –time graph for uniform acceleration
- Obtain the following equations of motion for constant acceleration using the graphical method
 (i) v=u+at (ii) s=ut+(1/2)at2 (iii)v2=u2+2as where u is initial velocity, v is final velocity and t is time
- ,a is acceleration
 A bus starting from rest moves with uniform acceleration of 0.1m/s₂ for 2 minutes .Find
 (i) the speed acquired (ii)the distance travelled.
- A car has a uniform acceleration of 4 m/s₂. What distance will it cover in 10 sec after start.
- An artificial satellite is moving in a circular orbit of radius 42250 km. calculate its speed if it takes 24 hours to revolve around the earth.
- Given below is the velocity –time graph for the motion of the car. What does the nature of the graph show? Also find the acceleration of the car.
 - 1 15.0-12.5-10.0 15 20 25 30 35
- 12 Study the speed time graph of a body given here and answer the following questions
 - (i) What type of motion is represented by OA?
 - (ii) What type of motion represented by AB
 - (iii) What type of motion represented by BC
 - (iv) Find out the acceleration of the body.
 - (v) Calculate the retardation of the body.
 - (vi) Calculate the distance travelled by the body from A to B.



Social science

History – Read the chapter one The french Revolution and do question answer from 1 to 3 of the chapter.

Geography – Read the chapter India size and location and do question answer from 2 to 4.

Civics – Read the chapter what is democracy? Why Democracy? and do all excersises of chapter.

Economics – Read the chapter The story of village palampur and do excersises of chapter.

Note – make a separate copy for Holiday home work.

ग्रीष्मावकाश गृहकार्य सत्र 2023 - 24 विषय हिंदी

वयव ।हद कक्षा:नौ

सामान्य निर्देश:

1.दिए गए गृह कार्य को गृहकार्य की कॉपी में क्रमानुसार करें।

2.प्रश्नों को ध्यानपूर्वक पढ़कर उत्तर लिखने की प्रक्रिया पर विशेष ध्यान दें।

प्रश्न संख्या -1 दोनों विषयों पर दिए गए बिंदुओं के अनसार अनुच्छेद लेखन करें-

1.महानगरीय जीवन

संकेत: (क) महानगरों का जीवन

- (ख) उच्च वर्ग और मध्य वर्ग का जीवन
- (ग) महानगरों में रहने में आनेवाली समस्याएं
- (घ) महानगरों की सुविधाएं
- (च) महानगरीय जीवन का संघर्ष
- 2. 21वींसदी का भारत
- (क) उपलब्धियों की ओर बढ़ते कदम (ख) कंप्यूटर का वृहद उपयोग
- (ग)निर्धनता एवं शिक्षा का निराकरण (घ) शिक्षा पद्धति में मूलभूत परिवर्तन
- (च) औद्योगिक क्रांति एवं सूचना प्रौद्योगिकी का उत्कर्ष काल
- (छ) चिकित्सा के क्षेत्र में विशेष उपलिब्धयां
- (ज) परमाणुशक्ति संपन्न शांति पूर्ण देश के रूप में प्रतिष्ठित राष्ट्र

प्रश्न संख्या- 2 यात्रा वृतांत के आधार पर तिब्बत की भौगोलिक स्थिति का शब्द चित्र प्रस्तुत करें।

प्रश्न संख्या -3 राहुल सांकृत्यायन द्वारा लिखित पाठ ल्हासा की ओर के सभी प्रश्न उत्तर कॉपी में लिखें।

प्रश्न संख्या- 4 पत्र लेखन के प्रारूप पर प्रकाश डालते हुए क्रमशः 2 औपचारिक एवं एक अनौपचारिक पत्र विषय से संबंधित लिखें।

प्रश्न संख्या- 5 विगत कक्षा में पढ़े हुए पाठ्यक्रम से दो अपठित गद्यांश एवं दो अपठित पद्यांश को पढ़कर गद्यांश / पद्यांश एवं उनके प्रश्नों के उत्तर को कॉपी में लिखे।

प्रश्न संख्या -6 कबीरदास या प्रेमचंद में से किसी एक का A4 साइज पेपर पर चित्र बनाएं।

Chemistry

Instructions- All the work should be done in a separate copy

- 1- To check the compressibility of states of matter and prepare a report on it.
- 2- What happens during a change of state inside the matter?
- 3- Why does a desert cool better on a hot dry day?
- 4- Why does our palm feel cold when we put some acetone or petrol Or petrol on it?
- 5- Give reasons for the following:-
- I) Naphthalene balls disappear with time without leaving any solid.
- II) Water at room temperature is a liquid.
- 6- Water as ice has a cooling effect whereas water as steam may cause severe burns. Explain the reason.
- 7- Why does the temperature of a substance remain constant during its melting point or boiling point?
- 8- Why is sponge compressible though is a solid?
- 9- Account for the following:-
- I) the temperature of water remains constant during boiling.
- Ii) evaporation is q surface phenomenon.
- 10- Give one similarity and one difference between evaporation and boiling.

Subject: English

Note: Homework should be done in separate copy.

- 1- Choose any 3 comprehension passage from E- practice book and solve it.
- Q-2 Read the newspaper daily and make the collage of all international news in a thin register underlining it with the holiday homework.
- Q-3 Imagine you are Onkar Verma. You are living at 70 Aadarsh nagar Jalandhar. Report to the police about the loss of your bicycle.
- Q-4 One of your friends Raman is very gentle and polite to you. You regard him as your best friend . Describe him in 100-150 words.

Maths

- 1) Draw a square root spiral on chart paper.
- 2) Do chapter 1 and chapter 2 of R.S Agarwal in separate copy.