

Vishwa Bharati Higher Secondary School
Udheywalla Jammu
Holidays Homework

Class :- 9th

Biology

- Q1. Learn and write all Questions and Answer of Lesson 5 done in the class on Holiday Homework Notebook.
- Q2. Prepare a model of Animal cell and Plant cell showing its various organelles.
- Q3. Prepare a chart showing various cell of Human body.
- Q4. Make a beautiful model of Neuron Unit of nervous tissue.
- Q5. Read Chapter 6 at home and write down all important Question and Answer on a Holiday Homework notebook after reading the chapter thoroughly.

Math

- Q1. Solve the worksheet related to Real numbers, Polynomials, Lines and angles, Introduction to Euclid's Geometry and Co- ordinate Geometry.
- Q2. Make a Mathematical Newspaper.

Physics

Note:- Holidays Homework to be written on separate Notebook

- Q1. What is force? What is its S.I Unit?
- Q2. What are balanced and unbalanced forces?
- Q3. State Newton's First law of Motion? Why it is called Galileos law of inertia?
- Q4. What is Inertia? What are its types?
- Q5. What does slope of a speed- time graph indicate?
- Q6. Convert a speed of 36km/h into m/s?
- Q7. Convert 15m/s into km/h
- Q8. Uniform circular motion is an accelerated motion? Comment
- Q9. Draw a velocity – time graph of a stone thrown vertically upwards and then coming downwards after attaining the maximum weight?
- Q10. A motor cyclist drives from A to B with a uniform speed of 30 km/h and return back with a speed of 20km/hr. Find the average speed?
- Q11. How will the equations of motion for an object moving with uniform velocity change?
- Q12. What is acceleration produced by a force of 12 Newton exerted on an object of mass 3kg?
- Q13. What are the various effects of force?

Note:-

Each student to prepare two charts depicting:-

- 1) Equations of motion by Mathematical method.
- 2) Equations of motion by Graphical Method.
- 3) Units of different Physical quantities such as:-

- a) Velocity
- b) Acceleration
- c) Momentum
- d) Energy
- e) Force

Geography

Q1. Map work:- In the map of India fill.

- a) All states and their capitals
- b) Physical features
- c) Northern and southern rivers with their tributaries

Q2. Prepare the Lessons 1 and 2 for periodic assessment.

Q3. Make a PPT on physical features of India.

History/ civics/ Economics

Q1. Prepare short type question and answers at least 30 each from the following chapters.

- a) French Revolution
- b) Socialism
- c) Democracy in contemporary world
- d) Why democracy
- e) The story of Palampur
- f) People as resource

Q2. Prepare a life sketch of the leaders of French and Russian revolution (any two)

Q3. Prepare chart on any one of the following

- a) Declaration of rights of man (Roll No. 1 - 8)
- b) Symbols of French revolution (Roll No. 9 - 16)
- c) Village of Palampur (Roll No. 17 - 25)

Subject:- English

Prescribe reading list:-

Q1. The students will have to do the book review of any one of the following:-

- a) How I taught my grandmother to read - Sudha Murty
- b) Keeping it from Harold - PCR Wodehouse

Q2. The three Men in a boat:-

- a) The students must watch the video.
- b) The students will prepare a book review. Suggested points:-
 - 1) Characterization
 - 2) Summary
 - 3) Plot
 - 4) Note on the author
 - 5) Favourite scene/ episode – why ?

Q3. Main Course Book:-

- a) As a member of school adventure club, you have been a part of various adventure campus organized by the club. Write an article for your school

magazine discussing your experience of one such adventure trip/ camp. You may take ideas from MCB Unit – 2 (Adventure)

- b) Identify the various ways in which we are leaving carbon footprints behind us and the various aspects related to it. Prepare a collage on the various aspects of carbon footprints and its effects. You may take idea form MCB unit – 3 (Environment)

Q4. Me 'n' Mine:-

- a) Do worksheets – 74, 75, 76, 81, 82, 88 -98

Q5. Revise the syllabus of 'April' and 'May' months for the periodic test to be held in July.

Instructions:- Use A4 sheets for Q1, 2 and 3 and compile them in a file.

Chemistry

Chapter -2 (Is matter around us pure)

Note:-Maintain separate copy

Q1. What is mixture? Types of mixture

Q2. What is a solution?

Q3. Define concentration of solution?

Q4. What is suspension?

Q5. What is meant by a substance?

Q6. List the point of differences between homogeneous and heterogeneous mixture?

Q7. A solution contains 40g of common salt in 320g of water. Calculate the concentration in terms of mass by mass percentage of the solution.

Q8. Differentiate between homogenous and heterogeneous mixture with examples.

Q9. How are sol, solution and suspension different from each other/

Q10. To make a saturated solution, 36 g of sodium chloride is dissolved in 100g of water at 293k. find its concentration at this temperature.

Q11. How will you separate a mixture containing kerosene and petrol (difference in their boiling points is more than 25⁰c). Which are miscible with each other?

Q12. Name the technique to separate

- i) Butter from curd
- ii) Salt from sea salt
- iii) Camphor from salt

Q13. What type of mixtures is separated by the techniques of crystallization?

Q14. Classify the following as chemical or physical change

- i) Cutting of tress
- ii) Melting of butter in a pan
- iii) Rusting of almirah
- iv) Boling of water to form steam
- v) Passing of electric current through water and the water breaking down into hydrogen and oxygen gases
- vi) Dissolving common salt in water
- vii) Making a fruit salad with raw fruits

viii) Burning of paper and wood

Q15. Try segregation the things around you as pure substance of mixture

Q16. Difference between mixtures and compound

Hindi

ग्रीष्म ऋतु का अर्थ:- गृह-कार्य

कक्षा - नवमी 'हिन्दी'

1. निबंध:
1. समाचार पत्रों की उपयोगिता ✓
 2. विद्यार्थी जीवन में अनुशासन का महत्व ✓
 3. प्रदूषण की समस्या ✗
 4. काँई राष्ट्रीय पर्व ✓
 5. विज्ञान: वरदान या अभिशाप ✗
 6. खेलों का महत्व ✗

2. पत्र:
1. शुल्क माफ करने के लिए ^{तथा छत्रवृष्टि} प्रधानाचार्य को पत्र लिखिए,
 2. नए विद्यालय में प्रवेश पाने के लिए स्थानांतरण के आधार पर प्रधानाचार्य को आवेदन पत्र लिखिए
 3. जुर्माना माफ करने के लिए एक आवेदन पत्र द्वारा अध्यापिका को लिखिए
 4. आपके विद्यालय में खूब-खूब संकधी ^{कागजों} का ध्यान में रखते हुए अपनी प्रधानाचार्य को उन कागजों के बारे में सूचित करते हुए पत्र लिखिए।

3. व्याकरण: ✓ संधि, समास, वाक्य, अलंकार कंठस्थ करो

4. अपनी पाठ-पुस्तक से जितने पाठ पढ़े जाए हैं ^(अनुचित) उन् सभी पाठों के बहुविकल्पी (MCQ) लघु उत्तरीय प्रश्न (Short type ques) हों कर लिखिए।