

Silver Grove School

Class – XI (Science)
Holiday Homework

BIOLOGY

Q1. Answer the following questions:

- (a) What are halophiles?
(b) Give the features on the basis of which five kingdom classification has been based.

Q2. Give short notes on virus.

Q3. Write about the following:

- (a) Cyanobacteria
(b) Euglenoids
(c) Phycomycetes

Q4. Give hierarchical classification of house fly, mango and wheat. Learn and write the 10 botanical name and zoological name of plants and animals found in your locality.

Q5. Prepare an investigatory project on any of the given topics:

New discoveries in the field of medicines, genetics or biotechnology
Cancer a deadly disease-the preventive and protective measures

MATHEMATICS

Q.1 Solve problems of followings chapters-

- (a) Set theory
(b) Relations and functions
(c) Trigonometric functions

Q.2- Do the question of NCERT exemplar from chapter 1 & 2.

Activity - To obtain a quadratic function with the help of linear functions graphically

PHYSICS

Q.1.Fill in the blanks

- a). Science is.....which humans have gained through.....
b). The sciences which deal with.....are called physical sciences.
c). The sciences which deal with.....are called.....
d). Physics is a branch of.....which deals with the study of.....
e). Technology is.....for.....
f). The basic principle of optical fibres is.....
g). Radio and television are based on.....
h). Magnetic confinement of plasma is the basis of.....
I). Role of DNA in heredity is the basis of.....
j). Computers are based on.....

Q.2.Arrange four types of basic forces in the order of increasing strength.

Q .3. How are science and arts similar?

Q.4.Write the dimensions of 'a' and 'b' in the relation

$P = (b - x^2)/at$ where P is power, x is distance and t is time.

Q.5. Calculate the dimensions of linear momentum and surface tension in terms of velocity (v), density (p) and frequency (v) as fundamental units.

Q.6 . Calculate the solid angle subtended by the periphery of an area of 1 cm^2 at a point situated symmetrically at a distance of 5 cm from the area.

Q.7.A man walks on a straight road from his home to a market 3 km away with a speed of 6 km/h finding the market closed, he instantly turns and walks back with a speed of 9 km/h. What is the (a) magnitude of average velocity and (b) average speed of the man, over the interval of time (i) 0 to 30 min. (ii) 0 to 50 min, (iii) 0 to 40 min ?

Q.8.(i).A car travelled the first third of a distance x at a speed of 10 km/h, the second third at a speed of 20 km/h and the last third at a speed of 60 km/ h. Determine the average speed of the car over the entire distance x.

(ii).A table clock has its minute hand 5.0 cm long. Find the average velocity of the tip of the minute hand (a) between 6.00 a.m. to 6.15 a.m. and (b) between 6.00 a.m. to 6.30. p.m.

Q.9.Derive the first, second and third equation of motion with the help of graphical and calculus method.

Q.10. Complete exercise of chapter - 2 question 2.1 to 2.24 from ncert textbook.

ENGLISH

1- Know about Poet-

Gather information about Khushwant Singh, Shirley Toulson and William Shakespeare. Also, talk about his famous writings.

How to do- Prepare a biographical sketch using name, date of birth, Educational qualifications, family, work, achievements with pictures. (Note- about 150-180 words)

Where to do- Use a well decorated A-4 size sheet.

2-Know the lesson- Gather a short summary of the given chapter- My grandmother, Photograph, Discovering the Tut : Saga continues.

How to do - Prepare a file using a decorated sheet and write a summary/central idea accordingly.

3- Revise the format of Advertisement, letter. Write a letter seeking detailed enquiries from the General Manager, Holiday Inn, Kanpur for conducting the wedding reception of your younger brother at the hotel. Make specific enquiries about the catering cost per head, service and decoration charges. You can also ask for the advance amount to be paid. You are Krishna/Kamini public company of Kanpur.

4- Write the detail summary of chap- " The Portrait of Lady"

(Note- At every page of the file there must be a picture related to writers and their works.)

CHEMISTRY

Q1. Solve the question of NCERT exemplar and NCERT book exercise and Intex question of chapter number 1 basic concept of chemistry and chapter number 2 atomic structure

Q2. Learn s,p,d and f block elements and symbol and atomic numbers

Q3. Make Periodic table on thermacol

Q4. Learn concentration terms.

PHYSICAL EDUCATION

Q.1- Write 15 questions and answers from chapter 1 to 3 answer to be written separately from each lesson.

Q.2- Draw a ground on chart paper and bring it

(Athletics, kabaddi, kho - kho, cricket, badminton, volleyball)

Q.3- Draw any two Yogasanas on chart paper and bring them.

HINDI

1. आरोह (गद्य खंड)

(क) पाठ - नमक का दारोगा

प्रश्न 1: 'नमक का दारोगा' कहानी का केंद्रीय संदेश क्या है?

प्रश्न 2: वंशीधर के चरित्र की विशेषताएँ लिखिए।

(ख) पाठ - मियां नसीरुद्दीन

प्रश्न 1: मियां नसीरुद्दीन किस प्रकार समाज को प्रभावित करते हैं?

प्रश्न 2: पाठ में हास्य और व्यंग्य की भूमिका स्पष्ट कीजिए।

2. काव्य खंड-

(क) कबीर के दोहे

प्रश्न 1: कबीर के दोहों में व्यक्त प्रमुख संदेशों को लिखिए।

प्रश्न 2: किसी दोहे की व्याख्या कीजिए।

(ख) मीरा के पद

प्रश्न 1: मीरा की भक्ति भावना किस रूप में प्रकट होती है?

प्रश्न 2: किसी एक पद की भाषा-शैली पर टिप्पणी कीजिए।

3. वितान - पाठ्यपुस्तक

(क) गाँव में -

प्रश्न 1: लेखिका के गाँव के अनुभव को संक्षेप में लिखिए।

प्रश्न 2: ग्रामीण समस्याओं की सूची बनाइए।

(ख) लता मंगेशकर - जीवन और कला

प्रश्न 1: लता मंगेशकर के गायन की विशेषताएँ लिखिए।

प्रश्न 2: उनका योगदान भारतीय संगीत में कैसा रहा?

4. संचार और जनसंचार (अभिव्यक्ति और माध्यम)

पाठ - संचार माध्यम एवं समाचार पत्र

प्रश्न 1: संचार के प्रमुख माध्यम कौन-कौन से हैं?

प्रश्न 2: समाचार पत्र का समाज में क्या महत्व है?

5. प्रोजेक्ट कार्य (रचनात्मक कार्य)

विषय: मेरा गाँव - मेरे विचार

कार्य:

अपने गाँव या किसी एक गाँव के बारे में 300 शब्दों में जानकारी लिखिए।
उसमें वहाँ की समस्याएँ, विशेषताएँ और सुधार के सुझाव शामिल करें।
यदि संभव हो तो संबंधित चित्र भी चिपकाएँ।

COMPUTER

1. Write short note on the following:-
 - a. ALU
 - b. CU
 - c. CPU
 - d. Cache memory
 - e. Memory unit
2. Write difference between the following:-
 - a. RAM and ROM
 - b. Primary and secondary memory
 - c. Hard ware and software
3. What is computer? Write it's any three advantages.

Music

जीवनी

1. वष्णु नारायण भातखंडे (संक्षिप्त जीवन परिचय)
2. वष्णु दिगम्बर पलुस्कर (संक्षिप्त जीवन परिचय)
3. तानसेन (संक्षिप्त जीवन परिचय योगदान और इनके रचनाएँ)