Project work for Class IX (2023-24)
Subject:English(II)

Q1.What is the poet trying to symbolise by the gardener pruning the tree and whittling back its branches in the poem 'A work of artifice'?
Q2.Who is Skimbleshanks?Draw a character sketch of him.
Q3.Who was Bonku Babu's true friend in the story?Why?
Q4.What is Flavius' apprehension with regard to Caesar and to what extent is the apprehension justified?
Q5.Write the character sketch of Julius Caesar.

English-I (Project Work)

Q1.Imagine a reunion with three friends from your school days after a gap of five years.Describe how your lives have changed in the course of these five years.
Q2. Write a letter to the Director of the Archaeological Survey of India complaining about the damage caused to a historical monument in your city due to negligence. Suggest steps that the civic authorities should take to preserve the monument.
Q3. Write a letter to your friend telling him about interesting things that have happened recently in your school.
Q4. As the Secretary of the 'Environment Club' of your school.Write a notice for the school notice board requesting the students of classes 6 to 10th to submit their entries for the Poster Making and Slogan Writing Competition on the topic, My India, Clean India.
Q5. Write an email to the President of the Red Cross Society seeking his cooperation in organising the Cleanliness Drive in your locality.

Instructions:

1.Write the acknowledgement on the first page of your project file or notebook.
2.Index to be made on the second page.
3.Answers to questions given will be written from page three.
4.After completion of the project work,bibliography will be written.

St. Joseph's High School

Mandi Dabwali

Project work(2023-24)

Std – IX Sub – Punjabi

Note: The project may be done on the Register/Note-book.

ਪ੍ਰਸ਼ਨ 1. ਹੇਠ ਲਿਖੇ ਵਿਸ਼ਿਆਂ 'ਤੇ ਲੇਖ ਲਿਖੋ:

1) ਸ਼੍ਰੀ ਗੁਰੂ ਗ੍ਰੰਥ ਸਾਹਿਬ ਜਾਂ ਆਦਿ ਗ੍ਰੰਥ
2) ਮੰਗਣਾ: ਇੱਕ ਲਾਹਨਤ
3) ਸਾਫ਼-ਸੁਥਰਾ ਆਲਾ-ਦੁਆਲਾ
4) ਮਿਠਤੁ ਨੀਵੀ ਨਾਨਕਾ ਗੁਣੁ ਚੰਗਿਆਈਆ ਤਤੁ॥
5) ਵਿਹਲਾ ਮਨ ਸ਼ੈਤਾਨ ਦਾ ਘਰ
6) ਧਰਮ ਅਤੇ ਇਨਸਾਨੀਅਤ
7) ਗਲੋਬਲ ਵਾਰਮਿੰਗ (ਵਿਸ਼ਵ ਤਾਪੀਕਰਨ)
8) ਕੁਦਰਤੀ ਕਰੋਪੀਆਂ
9) ਸੋਸ਼ਲ ਮੀਡੀਆ
10) ਭ੍ਰਿਸ਼ਟਾਚਾਰ

ਪ੍ਰਸ਼ਨ 2. ਹੇਠ ਲਿਖੇ ਵਿਸ਼ਿਆਂ ਉੱਪਰ ਪੱਤਰ ਲਿਖੋ:

1) ਆਪਣੇ ਮਿੱਤਰ/ਸਹੇਲੀ ਨੂੰ ਪੱਤਰ ਰਾਹੀਂ ਦੱਸੋ ਕਿ ਤੁਸੀਂ ਦਸਵੀਂ ਦੀ ਪ੍ਰੀਖਿਆ ਤੋਂ ਬਾਅਦ ਕੀ ਕਰਨਾ ਚਾਹੁੰਦੇ ਹੋ।
2) ਨਗਰ-ਨਿਗਮ ਦੇ ਮੁੱਖ ਸਿਹਤ ਅਧਿਕਾਰੀ ਨੂੰ ਆਪਣੀ ਕਾਲੋਨੀ ਵਿੱਚ ਫੈਲੀ ਗੰਦਗੀ ਦਾ ਹਵਾਲਾ ਦਿੰਦੇ ਹੋਏ ਛੇਤੀ ਤੋਂ ਛੇਤੀ ਸਫ਼ਾਈ ਦੀ ਆਸ ਰੱਖੋ।
3) ਤੁਹਾਡੀ ਜਮਾਤ ਇੱਕ ਵਿਦਿਅਕ ਟੂਰ ਲਈ ਜਾਣਾ ਚਾਹੁੰਦੀ ਹੈ। ਆਪਣੇ ਸਕੂਲ ਦੇ ਮੁੱਖ ਅਧਿਆਪਕ ਤੋਂ ਆਗਿਆ ਲੈਣ ਲਈ ਪੱਤਰ ਲਿਖੋ।
4) ਪੰਜਾਬੀ ਦੇ ਕਿਸੇ ਅਖ਼ਬਾਰ ਦੇ ਸੰਪਾਦਕ ਨੂੰ ਪੱਤਰ ਲਿਖ ਕੇ ਦੱਸੋ ਕਿ ਸ਼ਹਿਰ ਵਿੱਚ ਦਿਨ-ਪ੍ਰਤੀ-ਦਿਨ ਗੁੰਡਾਗਰਦੀ ਦੀਆਂ ਵਾਰਦਾਤਾਂ ਵੱਧ ਰਹੀਆਂ ਹਨ ਅਤੇ ਇਹਨਾਂ ਤੋਂ ਬਚਣ ਲਈ ਸਰਕਾਰ ਕੀ ਠੋਸ ਕਦਮ ਚੁੱਕੇ।
5) ਆਪਣੇ ਮਿੱਤਰ/ਸਹੇਲੀ ਨੂੰ ਪੱਤਰ ਲਿਖ ਕੇ ਦੱਸੋ ਕਿ ਤੁਸੀਂ ਇਸ ਸਾਲ ਹੋਲੀ ਦਾ ਤਿਉਹਾਰ ਕਿਵੇਂ ਮਨਾਇਆ ।

ਪ੍ਰਸ਼ਨ 3. ਅੱਖਰ 'ੳ' ਤੋਂ 'ੜ' ਤੱਕ ਦੋ-ਦੋ ਮੁਹਾਵਰਿਆਂ ਦੇ ਅਰਥ ਲਿਖ ਕੇ ਵਾਕ ਬਣਾਉ।

ਪ੍ਰਸ਼ਨ 4. ਕੋਈ 25 ਵਿਰੋਧੀ ਸ਼ਬਦ ਲਿਖੋ।

ਪ੍ਰਸ਼ਨ 5. ਕੋਈ 25 ਬਹੁਤੇ ਸ਼ਬਦਾਂ ਦੀ ਥਾਂ ਇੱਕ ਸ਼ਬਦ ਲਿਖੋ।

ਪ੍ਰਸ਼ਨ 6. ਗੁਰਬਖ਼ਸ਼ ਸਿੰਘ ਪ੍ਰੀਤਲੜੀ ਦੇ ਜੀਵਨ ਬਾਰੇ ਲਿਖੋ।

ਪ੍ਰਸ਼ਨ 7. ਨਾਮੁ ਅਤੇ ਪੀਤੋ ਦੇ ਸੁਭਾਅ ਦਾ ਤੁਲਨਾਤਮਕ ਅਧਿਐਨ ਕਰੋ।

ਪ੍ਰਸ਼ਨ 8. 'ਭੱਤਾ' ਕਹਾਣੀ ਦੇ ਸਿਰਲੇਖ 'ਤੇ ਵਿਚਾਰ ਕਰੋ।

Class: 9th

Subject: Computer

Holidays H.W

Q 1 Write the Principals of Object Oriented Programming in details.

Q-2 Write the detail of computer language with examples .

Q-3 Read ch-4

St. Joseph's High School,
Mandi Dabwali
Hindi Project Work
Std 9th (2023-2024)

1. निम्नलिखित में से किन्हीं तीन महापुरुषों के जीवन चरित्र का उनकी शिक्षाओं सहित वर्णन कीजिए।

(I) स्वामी विवेकानंद (II) श्री गुरु तेग बहादुर (III) श्री गुरु रामदास जी

(IV) महावीर जैन (V) सूरदास

2. निम्नलिखित में से किन्हीं तीन क्षेत्रीय या अंतरराज्य स्तर पर लगने वाले मेलों का सविस्तार पूर्वक वर्णन करते हुए उनका धार्मिक ,आर्थिक तथा राजनैतिक महत्व स्पष्ट कीजिए।

I गणेश उत्सव (महाराष्ट्र) II होला मोहल्ला (आनंदपुर साहिब) III पुस्तक प्रदर्शनी (दिल्ली)

IV मकर सक्रांति V कुंभ का मेला (हरिद्वार)

3. निम्नलिखित एकांकियों का सार लिखकर प्रत्येक एकांकी में से तीन - तीन प्रमुख पात्रों के जीवन चरित्र का वर्णन कीजिए।

(I) वहू की विदा (II) मातृभूमि का मान

पात्र -(1) राजेश्वरी , जीवन लाल, कमला,प्रमोद

पात्र - (II) महाराणा लाखा , राव हेमू , वीर सिंह, अभयसिंह

4. निम्नलिखित में से किन्हीं पांच वर्णों की सहायता से दस -दस मुहावरे लिखकर उनका अर्थ सहित अपने वाक्य में प्रयोग करें।

आ , म, न, ल, द, स , ह

5. निम्नलिखित में से किन्हीं दो कहानीकारों का जीवन परिचय लिखकर उनके द्वारा लिखी गई किन्हीं दो - दो कहानियों का सविस्तार पूर्वक वर्णन कीजिए।

(I) हरिशंकर परसाई (II) मुंशी प्रेमचंद (III)जयशंकर प्रसाद

Chemistry Holidays homework
Class- IX

1) Revise Ch-1 (Language of chemistry)
   Ch-2 (Chemical changes and reactions)
2) Read Ch-3 (Water)
3) Project work (Do it on A4 sheets)

Roll no. 1 to 10

Make report on **Discovery of electron**

1. Who discovered it?
2. How it gets discovered ?
3. What are the properties of electrons and cathode rays?
4. Explain with diagram

Roll no. 11 to 20

Make report on **Discovery of protons**

1. Who discovered it?
2. How it gets discovered ?
3. What are the properties of protons and anode rays?
4. Explain with diagram

Roll no. 21 to 30

Make report on **Discovery of Nucleus**

1. Who discovered it?
2. How it gets discovered ?
3. Explain alpha scattering experiment.
4. Explain with diagram

Roll no. 31 to 45

Make report on **Discovery of Neutrons**

1. Who discovered it?
2. How it gets discovered ?
3. Explain structure of atom.
4. Explain with diagram.

St. Joseph's High School

Mandi Dabwali

Session (2023 – 2024)

Class: 9th Sec: (A+B+C+D) Sub: Mathematics

PROJECT WORK

Instructions:

- Write Index – Serial No., Date, Title, Page No. etc.
- Use single line sheets for writing.
- Use any color of chart paper to make the outer cover.
- Draw margin and Do your work neatly.

Solve the following sums:

Ch. No.	Page No.	Chapter's Name	Sums
3.	58	Compound Interest(Using formula)	Test Yourself (1 to 10)
4.	71 & 72	Expansions	Test Yourself (1 to 11)
14.	366 376	Rectilinear Figures	Q 109 to Q 111. Q 71 to Q 74.
18.	251	Statistics	Test Yourself (1 to 8)
19.	259	Mean and Median	Test Yourself (1 to 20)

Explain: 1. Define triangle and its types according to sides & angles.

2. What do you mean by congruent triangles? Also, write conditions for congruency of triangles.

Geography project

Class 9

1. What are Natural Regions of the World , on what basis are they divided ? Explain all the Natural Regions of the World.

*. Mention the area, climate , natural vegetation , soil , human adaptation, human occupations etc.

(Illustrate using pictures, maps and colours.)

OR

2. Prepare a well illustrated assignment on the topic Pollution - its sources and preventive measures.

(Illustrate using pictures and diagrams)

Special instructions:

(a). Cover page: * Topic must be written in the centre.

*. Make the cover page creative by sticking pictures and and drawings which are related to the topic.

(b). . Acknowledgement- the people you want to thank for helping and guiding you.

(c) Index : There should be four columns : serial no ., topic, page no. , teacher's remarks.

(d). Bibliography : The source from where you have taken help for making the project.

(e). Page limit. : 10-20. pages.

(f). You can take the help of your course book , internet , magazines etc to make your project informative and original.

(g) Pictures and drawings should be pasted to make the project creative.

Holidays Homework for IX

Subjects:- Physical Education sci part

Write 25 difficult words with meaning in english and hindi or punjabi of character-4 [Physical fitness]

St. Joseph's High School
Mandi dabwali
Summer Vacation Homework

Class - IX
Subject- History & Civics

Q1. Roll No. 1-10

Ch - 7(a) Medieval India (The Cholas) Pg 132

Explain about the Chola Dynasty in brief . Study the picture given on pg 140 and paste it in the project file. Also find the answers of questions given under it. Paste pictures related to the chapter. Write about the life of Karikala Chola and Rajaraja Chola.

Q2. Roll No. 11-20

Ch- 7(b) The Delhi Sultanate Pg 141

Explain the impact of Islam on art,architecture and literature with the help of pictures and A brief explanation. Study the picture given at the end of the chapter(under picture study section) and paste it in the project file. Also answer the questions given along with it.

Q3. Roll No. 21-30

Ch- 8(b) Composite Culture Pg 168

Explain the different cultures given in the chapter in points with the help of pictures.

Q4. Roll No. 31-40

Ch-9(a) The Modern Age in Europe (Renaissance)

With the help of pictures, explain the meaning and features of Renaissance as well as it's causes and impact.

Q5. Roll No. 41-50

Ch-3 Fundamental Rights and Duties Pg 22

Explain the meaning of the term 'Rights'. Give their classification, characteristics and significance. Illustrate the chapter in the form of pictures also and give explanation for the same.

Biology Holidays Homework

Class : IX

Read Chapter - 6,7,8,9,10 and try to find answers of the progress check of these lessons.

Draw diagrams of Maize grain on page 51, diagram of Nucleus and Mitochondria.

Holidays H.W

Class 9th

Phy.edu.Sports

1.Draw a neat and clean diagram of Basketball court.(2 times)

2.Draw a neat and clean diagram of Football game.(2 times)

On your fair note book

STD. IX

PHYSICS HOLIDAY HOMEWORK

1. **Complete practical file as per the experiments given below.**
2. **Solve the MCQs given in the PDF.**
3. **Revise chapter 2, 3 and 8**
4. **Make chart on fundamental quantities and 20 derived quantities with their formulas and unit.**

EXPERIMENT NO.1

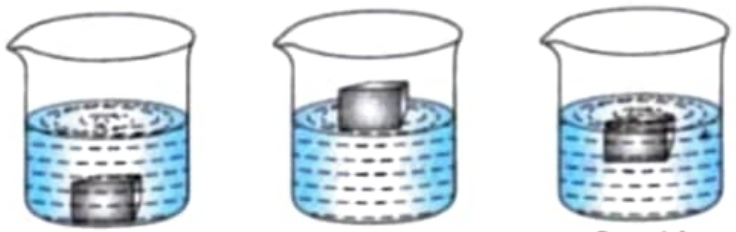
EXPERIMENT

Aim

To determine the density of solid (denser than water) by using a spring balance and a measuring cylinder.

Theory

1. **Density:** The density of a substance is defined as the mass per unit volume,[$D = \frac{M}{V}$]
   Here, D = Density of the body
   M = Mass of the body
   V = Volume of the body.
2. S.I. unit of density = Kgm^{-3} or Kg/m^{3}
   c.g.s. unit of density = g/cm^{3} or $g\ cm^{3}$
3. **Floating bodies:** The density of water is 1 g/cm^{3} (c.g.s. system) and 1000 kg/m^{3} (S.I. system).
4. **Case (a)** If the density of a body is more than 1 g/cm^{3} or 1000 kg/m^{3} then the body will sink in water.
5. **Case (b)** If the density of a body is less than 1 g/cm^{3} or 1000 kg/m^{3} then the body will float on water.
6. **Case (c)** If the density of a body is same i.e. 1 g/cm^{3} or 1000 kg/m^{3} then the body will half float and half submerge in water.



Case (a) Case (b) Case (c)

Weight

1. The force due to the gravitational attraction of the earth that acts on a body is called weight.
2. (Weight) Force = mass x acceleration.
   Force = mass x acceleration due to gravity (g)

Force = mass x g
i.e Weight = m x g

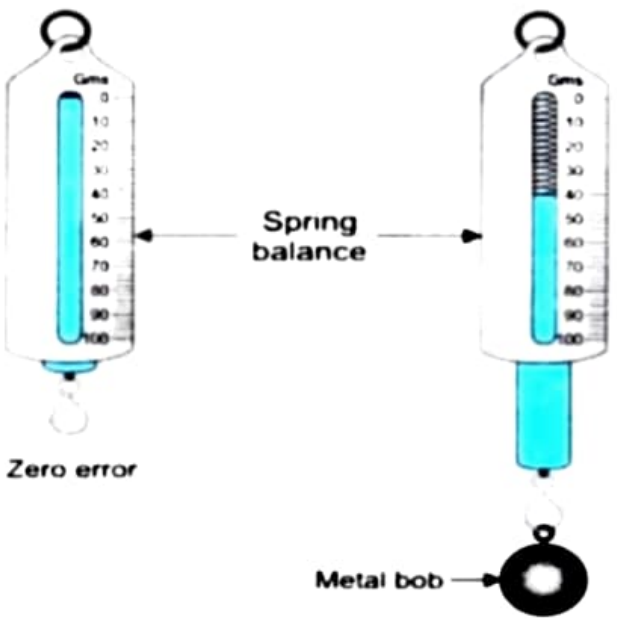
3. Weight of a body = Force on the body.
4. S.I. unit = Newton = 1 kg m/s²
   N = 1 kgf = 1 kilogram force,
   i.e g = 9.8 m/s²
5. Weight is measured by spring balance.

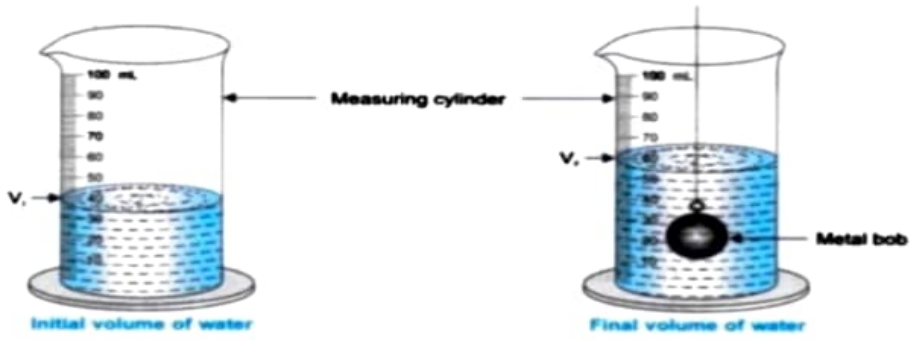
Materials Required

A spring balance, a measuring cylinder, a beaker with water, a metal bob (or anybody that is heavier than water and does not dissolve in water), a cotton string, a stand (optional).

Procedure

1. Tie a metal bob (or any solid) with the string of cotton to the hook of the spring balance. The spring balance should be checked for any error. Let the zero error be 'x'.
2. Hold the spring balance (or tie it to the stand), suspended with the metal bob in air. Measure the weight of the bob. Let its weight be 'W'.
3. Pour the water in the measuring cylinder and record the initial volume of water, let it be ' V_i'
4. Suspend the metal bob into the measuring cylinder with water. The bob should not touch the base, nor the sides of the cylinder.
   The water level rises, measure the increased water level, let this volume be ' V_f'
5. Record all your observations in the observation table and do the calculation to find the density of a given solid metal bob.





_____X_____X_____

Experiment: 2

Aim :- To prove the law of reflection through a plane mirror.

Apparatus :- Soft board, white sheet of paper , optical pins , mirror , pencil, protactor and ruler .

Procedure :-

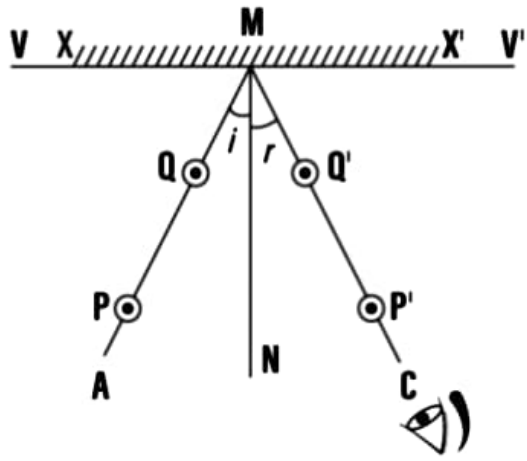
1. Place the paper on the board and fix
2. Place the mirror vertically on the white sheet of paper and trace its edge.
3. Draw a line at right angles to the edge of the edge of the mirror to act as the normal- ON .
4. Stating with angle i as 30 degree , draw an incident ray and place two pins, P and Q along it as shown
5. With your eyes at position shown, place two other pins R and S to coincide with the images of P and Q as seen in the mirror
6. Remove pins R and S and join the dots left with a straight line
7. Measure and record angle r.
8. Repeat procedure 4,5,6 and 7for angles i = 35 degree, 40 degree, 45 degree, 50 degree and 55 degree.
9. Record the results in a table.

Observation :-

1. The angle of incidence equals the angle of reflection.

2. Incident ray, Reflected ray and the normal at the point of incidence lie in the same plane.
   Hence the laws of reflection proved.

   DIAGRAM



----------X----------X----------x----------x----------x----------

EXPERIMENT: 3

Aim: To determine the weight of an object using the principle of moments

Apparatus required:

A metre scale, a knife edge, slotted weights, thread

Procedure:

i. A metre scale is supported at its centre of gravity by a knife edge or suspended by using a thread tied to its centre so that the scale is in the horizontal position. Ensure that the scale is in equilibrium position.

ii. A known weight W_2 and an unknown weight W_1 are suspended from to either side of the the scale using the weight hangers.

iii. Fix the position of one weight hanger and adjust the position of the second weight hanger such that the scale is in equilibrium.

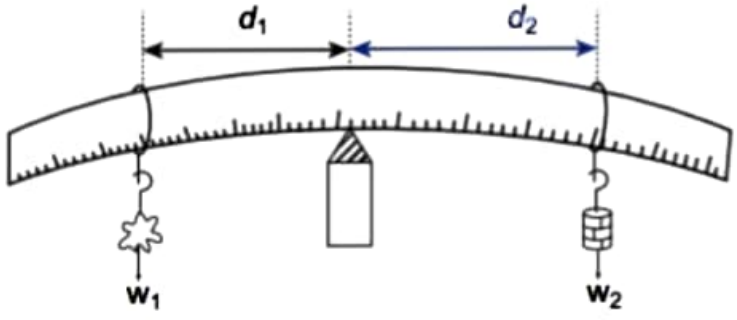
iv. Measure the distance d_1 and d_2 of the two weight hangers from the centre of the scale accurately.

v. The experiment is repeated for different positions of the unknown weight.

Calculations:

Moment of a force can be calculated using the formula

Moment of the force = Force x distance



Clock wise moment by unknown weight = $W_1 \times d_1$

Anticlockwise moment by known weight = $W_2 \times d_2$

$W_1 \times d_1 = W_2 \times d_2$

w1 w2

Unknown weight = W1= [$W_2 \times d_2$] /d_1

Result:

Using the principle of moments, the weight of the unknown body W_1 = ... g