# St. Mary's School, Dwarka <br> Holiday Homework <br> Class X <br> Subject: English Language \& Literature <br> Worksheet -1 

## 1. Fill in the blanks with appropriate words:

People with fragile ego (a) .take anything you say personally. They not only (b) a hard time ahead, but (c) $\qquad$ also feel insulted. They (d) get hurt and in return they (e) injure others. They are called sadists who (f) $\qquad$ enjoy marring the reputation of others.

## 2. Arrange the following into meaningful sentences:

a) never/himself/large/soutions/economic/with/Gandhiji/political/or/contented
b) backwardness/wanted/immediately/cultural/gandhiji/and/social/seeing/the/ do/something/to
$\qquad$
$\qquad$
c) doctor/for/convinced/to/his/months/services/he/a/volunteer/six
$\qquad$
3. In the passage below, one word has been omitted in each line. Write the missing word along with the word that comes before and after, against each line number.

Before Word After
Wandering along the streets Mumbai
a)
my sons and I stopped the eating joints.
b)
$\qquad$
$\qquad$




Wherever we went, we made sure we tasted the food of the
c)
d)
e)
f)

## Worksheet - 2

## 1. Fill in the blanks with appropriate words:

As we trudged along the steep mountain path (a)........... reached a clearing, the landscape evolved into a picturesque panorama. The tall pines stood erect in attention (b) $\ldots \ldots .$. ..in a military drill. A solitary white flower caught my attention (c) .............it swayed merrily in the breeze. It seemed oblivious to my presence (d) $\ldots . . . . . . .$. .appeared to be in some sort of a private celebration- it's bright yellow colour eloquently reflecting its vibrant mood. It appeared assertive of its uniqueness and (e) ............blending harmoniously into the orchestra of colours (f) surrounded it.

## 2.Arrange the following into meaningful sentences:

a) $9 \mathrm{a} . \mathrm{m} / \mathrm{you} / \mathrm{done} / \mathrm{better} / / \mathrm{you} / \mathrm{between} /$ come/if/work/this/2 p.m/to/want
b) even/if/better/decide/come/you/along/is/it/to
c)look/as/if/not sleep/you/all/night/did/you
3.In the passage below, one word has been omitted in each line. Write the missing word along with the word that comes before and after, against each line number.


#### Abstract

Before Word After

One night Rahim lost way as he was trudging along road. He caught shelter for night. He was given a warm welcome an old man a) b) c) d) e) f)


## Worksheet - 3

Q1. Complete the paragraph given below by filling in the blanks with the help of options that follow

Rakesh (a) $\qquad$ not quarrel (b) $\qquad$ anyone (c) $\qquad$ jail. Then one day I saw him (d) $\qquad$ his cool. In his ward $\qquad$ was _(f) young man $\qquad$ (_g) $\qquad$ did not look (h) $\qquad$ a criminal.

Q2. The following paragraph has not been edited. There is an error in each line. Identify the error, write it and its correction in the space provided.

|  | Error | Correction |
| :--- | :--- | :--- |
| People always take pity on Reddy. | (a) |  |
| He was a victim on an acid attack. | (b) |  |
| He was very young, hard | (c) |  |
| eleven year old. | (d) |  |
| His parents will say, "What'll | (e) |  |
| he'd do in life? What is go to | (f) |  |
| happening to him when | (g) |  |
| we had gone? | (h) |  |

Q3. Rearrange the following words/phrases to form meaningful sentences.
a) no laughing matter/it is/you/pushed/younger brother/your/into/a/of water/puddle/that
$\qquad$
b) what/may/you/come/finish/homework/your/the/party/before/will
c) know/better/than/you/disrespect/to/elders/yours

Q4. Read the novel 'The Story of My Life' by Helen Keller. Write a book review of the same

## Subject-Hindi

## Worksheet-1

## प्रश्न 1 नीचे दिए गद्यांश की पढ़कर पूछे गाष प्रश्नों के उत्तर दीजिए -

आज का विद्यार्थी भविष्ये की स्रोच में कुछ ज्यादा लग गया है। अविष्ये कैस्सा होगा, वह भविष्या में क्या बनेगा ? इस प्रश्न को सुलझाने में या स्वप्न लेने में वह बहुत समय नष्ट कर देता है। भविष्य के बारे में सोचिए ज़रूँ परंतु भविष्य को वर्तमान पर हावी मत होने दीजिए क्योंकि वर्तमान ही भविष्य की नीव बन सकता है। अतः नीव को मज़बूत बनाने के लिए आवश्यक है कि भान तो भविष्या का मी हो लेकिन ध्यान वर्तमान पर रहे। अतः आपकी सफलता का मूलमंत्र यही हो सकता है कि आप एक स्वप्न लें, सोचें कि आपको क्या बनना है,और क्या करना है,और स्वप्न के अनुसार कार्य. प्रारंभ करें ।वर्तमान रूपी नीव को मजबूत करें और यदि वर्तमान रूपी नीव बनती गई तो. भविष्य रूपी इमारत भी अवश्य बन जाएगी।जितनी मेहनत हो सके उतनी मेहनत करें. . और निराशा को जीवन में स्थान न दें ।
(क) आज का विद्यार्था किस काम में बहुत समय नष्ट कर देता है ?
(ख) सफलता का मूलनंत्र क्या है ?
(ग) भविष्य रूपी इमारत को मज़बूत बनाने के लिए क्या करना चाहिए ?
(घ) 'प्रारंभ' शब्द में से मूल शब्द व उपसर्ग अलग करके लिखिए।
प्रश्न 2 नीचे दिष काव्यांश्थों की पढ़कर पूछे गाष्ट प्रश्नों के उत्तर दीजिए :
(क) उटो वीर मज़दूर किसानों, आज जर्मी को प्यार चाहिए ।
बढ़ो कर्म पर ले उमंग अब, धरती को मनुहार चाहिए ।। मेहनत करने की ठानी तो, हर तूफॉँ हट जाएगा । बनकर फिर तक़दीर देश की, स्वर्णिम दिन आ जाएगा ।। भारत नाँ की आन-बान हो ,मावृभूमि की शान तुन्ही हो। हो भविष्य भारत विशाल के, मातृभूमि की शान तुन्ही हो।।

महल द्याग,श्रूंगार द्याग कर, श्रम का दान करो तन-मन से। बंजर धरती तोड़ - तोड़ कर, करो आज आबाद लगन से ।।
(क) काव्याँश में कवि ने मावृभूमि की आन-बान और शान किसे कहा है ?
(ख) मज़दूर किसान मेहनत करने की ठान ले तो क्या हो जाएगा ?
(ग) कवि बजंर धरती को कैसे आबाद करने को लिए कह रहे है ?
(घ) 'स्वर्णिम' शब्द का वर्ण-विच्छेद कीजिए।
(ख) जो नर्ही हो सके पूर्ण काम
मै उनको करता हू प्रणाम ।
जो छोटी सी नैया लेकर
उतरे करने को उदधि पार।।
मन ही मन में हो रही स्वयं
हो गए उसी में निराकार।।
जो उच्च शिखर की ओर बढ़े
रह- रह नव -नव उत्साह भरे।
पर कुछ ने ले ली हिम समाधि
कुछ असफल हो नीचे उतरे।।
कृतकृत्य नही जो हो पाए
प्रत्युत फॉसी पर गए झूल।
कुछ ही दिन बीते है फिर भी
यह दुनिया उनको गई भूल।।
(क) कवि किनको प्रणाम कर रहा है ?
(ख)'प्रद्युत फॉनस्सी पर गास झुल'पंक्ति के द्वारा कवि किनकी ओर संकेत कर रहा है? (2)
(ग) 'उदधि ' शब्द को दो पर्यायवाची शब्द लिखिए।
(घ) कविता का उचित शीर्षक लिखिए।
(ग)
ओ निराशा तू बता क्या चाहती है ?
मैं कठिन तूफ़ान कितने झेल आया।
मैं रूदन के पार्त हैस हैस खेल आया
मृत्यु -सागर तीर-पर पद चिह्न रखकर
मै अमरता का संदेश लाया।।

आज तू किसको डराना चाहती है ?
ओ निराशा तू बता क्या चाहती है ?
शूल क्या देखू चरण जब उठ चुके है
हार कैसी हौससले जब बढ़ चुके है।
तेज़ मेरी चाल ऑधी क्या करेगी
आग में मेरे मनोरथ तप चुके है
आज तू किससे लिपटना चाहती है?
(क) कवि निराशा को ललकारते हुए अपने बारे में क्या कह रहे है ?
(ख) 'आठ में मेटे मनोरथ तप चुके है' पंक्ति का आशय स्पष्ट कीजिए।
(ग) कविता का मूल भाव अपने शब्दों में लिखिए।
(घ) कविता का शीर्षक लिखिए।

## Worksheet- 2

प्रश्न 1 थब्द और पद की परिभाषा लिखिय ।
प्रश्न 2 शब्द और पद में अंतर स्समझाते हुष्ट तीन उदाहरण दीजिए
प्रश्न 3 निम्नलिखित अथुद्ध वाक्यों के थुद्ध रूप लिखिए :
(क) तुन्हे सुर में बोलना चाहिए ।
(ख) भारत में अनेकों राज्य है
(ग) हमने आज खूब मिठाई खाया ।
(घ) खरगोश को काटकर गाजर खिलाओ
(ड़) मेरी भाई और बहन आए है।
(च) देश हमारा महान है।
प्रश्न 4 निम्नलिखित मुहावर्टों के अर्थ लिखिए व वाक्य में प्रयोग कीजिए
(क) दबे पाँव आना
(ख) अंधे के हाथ बटेर लगना
(ग) लाज रखना
(घ) दॉतों पसीना आ जाना
(ड़) दिमाग हो जाना
प्रश्न 5 उचित मुह्दावर्रों स्मे निक्त स्थान भरिप्ये:
(क) वह मुझे $\qquad$ .नहीं सुहाता ।
(ख) निडर सैनिकों ने दुश्मनों के $\qquad$ .1
(ग) तुम कौन से $\qquad$ .धुले हो ?
(घ) ईश्वर जब देता है $\qquad$ ..देता है।
(ड़)अकारण किसी पर $\qquad$ उचित नह्ही।

प्रश्न 6 निम्नलिखित वाक्यों का निर्देशानुसार रूपांतरण कीजिए :
(क) रोज़ सुबह टहलने वाले स्वस्थ रहते है
( मिश्र वाक्य में)
(ख) बच्चे को सामने देखकर माँ को बहुत खुशी हुई ।
(सयुंक्त वाक्य में)
(ग) शहर में तूफ़ान आया और तबाही मच गई
(सरल वाक्य में)
(घ) नाटक समाप्त हुआ और दर्शक खड़े हो गए । (मिश्र वाक्य में )
(ड़) रीता खाना खाकर विद्यालय गई ।

## Worksheet - 3

## नीचे लिखे प्रश्नों के उत्तर लिखिए

प्रश्न 1 लेखक बड़े भाईसाहब के सामने मौन क्यों रह जाता था ?
प्रश्न 2 मीरा श्रीकृष्ण की चाकरी क्यों करना चाहती है ?
प्रश्न 3 पुलिस ने आंदोलनकारियों के साथ कैसा व्यवहार किया ?
प्रश्न 4 बड़े भाईसाहब ने छोटे भाई को घमंड न करने को लिए कैसे समझाया ?
प्रश्न 5 मूठ कस्तूरी को वन में क्यों ढूँढता फिरता है ?
प्रश्न 6 कबीर की साखियों का सार अपने शब्दों में लिखिए।
प्रश्न 7 हरिहिर काका के परिवार में कौन-कौन लोग थे और उनके साथ काका के संबंध कैसे
थे ?

प्रश्न 8 अनपढ़ होते हुए भी हरिहिर काका को दुनिया की बेहतर समझ थी कैसे? स्पष्ट कीजिए।

## Worksheet - 4

प्रश्न 1 दो छात्रों के बीच में कक्षा अध्यापक के विषय में हुई बातचीत को 70 से 80 शब्दों में संवाद के रूप में लिखिए।

प्रश्न 2 बैक की चैक बुक खो जाने की सूचना देते हुए बैक प्रबंधक को पन्र लिखिए।

प्रश्न 3 'डेंगू ज्वर' के बारे में लोगों को जागरूक करते हुए नगर निगम अध्यक्ष द्वारा जारी सूचना लिखिए
प्रश्न 4 पहाड़ी क्षेत्र में बनाए अपने होटल के लिए विज्ञापन लिखिए।

प्रश्न 5 'समाचार पत्र' विषय पर 80 से 100 शब्दों में एक सुन्दर अनुच्छेद लिखिए -

## संक्रेत बिदु :

1 ज्ञान की अटूट श्रृंखला
2 समाचार पत्रों के लाभ
3 समाचार पन्रों का महत्त्व

## Worksheet - 5

प्रश्न 1 पद की विशेषताएँ उदाहरण सहित बताइए।
प्रश्न 2 (क) स्वतंत्र व सार्थक वर्णो की इकाई को $\qquad$ कहते हैं।
(ख) जो शब्द वाक्य में प्रयोग हो जाते है उन्हें. कहते है।

प्रश्न 3 निम्नलिखित अश्युद्ध वाक्यों के थुद्ध रूप लिखिए
(क) पुच्तक पर नही लिखो।
(ख) वहाँ कोई लगभग सौ व्यक्ति थे।
प्रश्न 4 निम्नलिखित वाक्यों का निर्देशानुस्सार्र रुपांतरण कीजिए :
(क) मैने एक पेड़ देखा वह बहुत लंबा था
(ख) मैने उसे पढ़ा लिखाकर नौकरी दिलवाई।
(ग) मुझे वह ड्राइवर मिला जो सबसे लंबा था।
( मिश्र वाक्य में) (सयुंक्त वाक्य में) (सरल वाक्य में)

## प्रश्न 5 निम्नलिखित मुहावरों के अर्थ लिखिय व वाक्य में प्रयोग कीजिए ः

(क) लोहे के चने चबाना
(ख) गिरह बॉधना
प्रश्न 6 नीचे लिखे प्रश्नों के उन्तर लिखिय
(क) मीरा की भक्ति भावना पर प्रकाश डालिए।
(ख) 'डायरी का एक पन्ना' पाठ में क्या संदेश दिया गया है ?
प्रश्न 7 दिए गाए संकेत बिदुओं के आधार पर 'वाणी है अनमोल' विषय पर 80 से 100 शब्दों में एक सुंदर अनुच्छेद लिखिए -
1 वाणी का महदत्व
2 मीठी बोली के प्रभाव
3 कटु भाषा के दुष्परिणाम
4 बचने के उपाय

प्रश्न 8 शुद्ध पानी के लिए एक स्रुंदर विज्ञापन तैयार कीजिए ।

## Subject: Mathematics

Q-1 What type of decimal expansion does $29 / 2^{2} \times 5 \times 7$ have?
Q-2 Find the other zero of the quadratic polynomial $y^{2}+7 y-60$ if one zero is -12
Q-3 What number should we added to the polynomial $x^{2}+7 x-35$ so that 3 is zero of the polynomial?

Q-4 If on division of a polynomial $p(x)$ by a polynomial $g(x)$, the quotient is zero, what is the relation between degrees of $p(x)$ and $g(x)$ ?

Q-5 What is the HCF of $3^{3} * 5$ and $3^{2} * 5^{2}$ ?
Q-6 If the lines given by $3 x+2 k y=2$ and $2 x+5 y+1=0$ are parallel then find the value of $k$.
Q-7 Find the co-ordinate where $\mathrm{x}-\mathrm{y}=8$ will intersect y -axis.
Q-8 Find the value of $c$ for which the pair of equations $c x-y=2$ and $6 x-2 y=3$ will have infinitely many solutions.

Q-9 Write the number of solutions of the following pair of linear equations: $x+2 y-8=0,2 x+4 y=16$.
$\mathbf{Q}-10$ Given that $\operatorname{LCM}(26,169)=338$, find $\operatorname{HCF}(26,169)$.
Q-11 Write whether every positive integer can be of the form $4 q+2$, where $q$ is an integer.
Justify your answer.
Q-12 What is the nature of roots of the quadratic equation $4 x^{2}-12 x-9=0$ ?
Q-13 If $\alpha, \beta$ are the zeroes of the polynomial $f(x)=x^{2}-3 x+2$, then find $1 / \alpha+1 / \beta$.
Q-14 If $\alpha$ and $1 / \alpha$ are the zeroes of polynomial $4 x^{2}-2 x+(k-4)$, then find the value of $k$.
Q-15 If the sum of the zeroes of the polynomial $f(x)=2 x^{3}-3 k x^{2}+4 x-5$ is 6 , then find the value of k .

Q-16 Is the following pair of linear equation consistent? Justify your answer.
$2 a x+b y=a, \quad 4 a x+2 b y-2 a=0 ; \quad a, b \neq 0$
Q-17 For all real values of c , the pair of equations $x-2 y=8, \quad 5 x+10 y=c$ has a unique solution. Justify.
Q-18 What is the LCM of $p$ and $q$ where $p=a^{3} b^{2}$ and $q=b^{3} a^{2}$ ?
Q-19 If $x=a$ and $y=b$ is the solution of the pair of equation $x-y=2$ and $x+y=4$ then find the value of $a$ and $b$.

Q-20 On comparing the ratio $\mathrm{a} 1 / \mathrm{a} 2, \mathrm{~b} 1 / \mathrm{b} 2$ and $\mathrm{c} 1 / \mathrm{c} 2$, find out whether the lines representing the following pair of linear equations intersect at a point, are parallel or coincident:
$5 x-4 y+8=0$
$7 x+6 y-9=0$

Q-21 Show that $1 / \sqrt{ } 3$ is irrational
Q-22 Use Euclid's Division Algorithm to find the HCF of :
(i) 4052 and 12576

Q-23 Find the HCF of 306 and 657 by the prime factorisation method.
Hence find their LCM.
Q-24 Show the $2 \sqrt{ } 3$ is an irrational number.
Q-25 Solve : $a x+b y=a-b$ and $b x-a y=a+b$ (by elimination method)
Q-26 Solve for x and y
$b / a^{*} x+a / b^{*} y=a^{2}+b^{2} ; x+y=2 a b$
Q-27 Find whether the following pair of linear equations has a unique solution. If yes, find
the solution.
$7 x-4 y=49$ and $5 x-6 y=57$
Q-28 Find the roots of the following quadratic equation by using the quadratic formula.
$3 x^{2}-5 x-12=0$
Q-29 Find two consecutive positive integers, sum of whose squares is 925 .
Q-30 Sum of two numbers is 20 and the sum of their reciprocals is $5 / 24$. Find the numbers
Q-31 Find a quadratic polynomial each with the given numbers as the sum and product of the zeroes respectively.
(i) $2 / 3,-1 / 3$
(ii) $0,-4 \sqrt{3}$
(iii) $21 / 8,5 / 16$

Q-32 Given that $\sqrt{3}$ is zero of the polynomial $x^{3}+x^{2}-3 x-3$, find its other zeros.
Q-33 If ( $x-2$ ) is a factor of $x^{3}+a x^{2} b x+16$ and $b=4 a$, find the values of $a$ and $b$.
Q-34 Seven years ago, Varun was five times the square of swati's age. Three years hence, Swati's age will be two-fifth of Varun's age. Find their present ages.
Q-35 Obtain all other zeroes of the polynomial $x^{4}-3 x^{3}-x^{2}+9 x-6$, if two of its zeroes are $\sqrt{ } 3$ and $-\sqrt{ } 3$.

## Subject: Science

## Objective:

1. Revision of the concepts
2. Application of the concepts to real life situations.
3. Skills to carry out research work and develop scientific aptitude

## Instructions:

- Attempt the questions keeping in mind the weightage of each question.


## Physics

1. Two resistors of resistance $2 R$ and $3 R$ are connected in parallel in an electric circuit. Calculate the ratio of the electrical power consumed by 2R and 3R.
2. A 250 Watt electric bulb is lit for 5 hours daily and four 6 watt bulbs are
lit for 4.5 hours daily. Calculate the energy consumed (in kWh ) in the month of July.
3. A child has drawn the electric circuit to study Ohm's Law as shown in the figure.

His teacher told him that the circuit diagram needs correction. Study the circuit diagram and redraw it after making the corrections.

4. A wire of length 3 m and area of cross-section $1.7 \times 10^{-6} \mathrm{~m}^{2}$ has a resistance
$3 \times 10^{-2} \Omega$. Calculate the resistivity of the wire.
5. Two coils C1 and C2are wrapped around a non-conducting cylinder. Coil C1is connected to a battery and key. Coil C2 with galvanometer G. On pressing the key (K), current starts flowing in the coil C1. By giving reasons, state your observations in the galvanometer:

(i) When key K is switched on
(ii) When current in the coil C1 is switched off.
(iii) When the current is passed continuously through coil C 1
6. i) State one main difference between A.C. and D.C.
ii) Why is A.C. preferred over D.C. for long range transmission of electric power?
iii) Name one source each of D.C. and A.C.
7. State Joule's law of heating. An electric iron consumes energy at the
rate of 420 W when heating is maximum and 180 W when heating is minimum. The voltage is 220 V . What is the current in each case?
8. A positively charged particle (alpha-particle) projected towards west is deflected towards north by a magnetic field. Find the direction of the magnetic field. Name and state the rule applied.
9. Find the following in the electric circuit given below:
a) The total effective resistance of the circuit.
b) Current flowing through $4 \Omega$ resistor.
c) Potential drop across $4 \Omega$ resistor.

10. A compass needle is placed near a current-carrying wire. State your observation for the following cases and give reason for the same in each case.
(a) Magnitude of electric current in the wire is increased.
(b) The compass needle is displaced away from the wire.

## ACTIVITY

Make a table with names of 5 electrical appliances used in your home in one column, their power, voltage rating and approximate time for which each is used in one day in the other columns. Estimate the units of energy consumed by these appliances for 10 days. Check the tariff plan in your electricity bill and calculate the electricity bill for 10 days with the above consumed units.

## CHEMISTRY

Q1. Give an example of photochemical reaction.
Q2. Potato chips manufacturers fill the packet of chips with nitrogen gas. Why?
Q3. Define combination reaction. Give one example of combination reaction which is exothermic in nature.
Q4. What is decomposition reaction ? Explain with the help of an example.
Q5. Name and state the law which is kept in mind when we balance a chemical equation. (2)
Q6. Give one example of each :
(a) Chemical reaction showing evolution of gas.
(b) Change in substance's colour during a chemical reaction.

Q7. Dry hydrogen chloride gas does not turn blue litmus, whereas hydrochloric acid does. Why?

Q8. Give two applications of pH in our daily life.
Q9. . Five solutions A,B,C,D and E when tested with universal indicator shows pH as 5, 3, 13, 7 and 9 respectively. Which solution is -
(a) neutral.
(b) strongly alkaline.
(c) strongly acidic.
(d) weakly alkaline.
(e) weakly acidic.

Arrange the pH in decreasing order of $\mathrm{H}+$ ion concentration.
Q10. In one of the industrial process used for manufacture of sodium hydroxide, a gas _ $X^{\text {‘ }}$ is formed as by - product. The gas _ $X^{‘}$ reacts with lime water to give a compound _ $Y^{‘}$ which is used as a bleaching agent in chemical industry. Identify ${ }_{2} X^{‘}$ and ${ }_{=} Y^{‘}$ giving the chemical equation of the reaction.

## ACTIVITY

Buy pH paper from the nearby chemist / chemicals shop and test the pH values of solutions given below in the tables. Record your observations. What is the nature (acids/ bases) of each substance on the basic of your observation? Also paste the corresponding pH strip

| S.No. | Solution | Colour of pH <br> paper | Approx. pH | Nature of <br> substance |
| :--- | :--- | :--- | :--- | :--- |
| 1 | Saliva (before meal) |  |  |  |
| 2 | Saliva (after meal) |  |  |  |
| 3 | Lemon Juice |  |  |  |
| 4 | Colourless aerated drink |  |  |  |
| 5 | Carrot juice |  |  |  |
| 6 | Coffee |  |  |  |
| 7 | Tomato juice |  |  |  |
| 8 | Vinegar |  |  |  |
| 9 | Baking soda |  |  |  |
| 10 | Tap water |  |  |  |

Refer to the pH scale and pH chart given in the book.

## BIOLOGY

1. What are the steps involved in urine formation?
2. How do guard cells regulate the opening and closing of stomata?
3. Haemoglobin is remarkably suited to the transport of oxygen. Why?
4. How does blood differ from lymph in its functions?
5. What is the importance of hindbrain in controlling our body posture?
6. What is a reflex arc? What are its components?
7. Draw and label Human respiratory system.
8. Give the summary of digestion in human beings in tabular form.
9. Draw and label human digestive system.
10. Write the differences between arteries, veins and capillaries.

## ACTIVITY

Prepare a diet chart for a week, day wise and meal wise with nutritive value of each day. Complete the following table and compare the nutritive value intake to the prescribed nutritive value of a child of your age.

| S. <br> No. | Food <br> Items | Organs <br> involved in <br> Digestion | Name of <br> Glands | Name of <br> Secretion | Function of <br> Secretion | Nutritive Value |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

## SUBJECT - SOCIAL SCIENCE

Instructions : Attempt the questions keeping in mind the weightage of each question. 1 mark questions should be answered in 10 to 20 words. 2 -mark questions should be answered in 30 to 40 words and 3 mark questions should be answered in 50 to 70 words. 5 mark questions should be answered in 100 to 120 words.

## Economics

## Project:- What is consumer awareness? Why is it needed?

PREPARATION AND SUBMISSION OF PROJECT REPORT: -Following essentials are required to be fulfilled for its preparation and submission

1. The total length of the project report will be 10-15 pages.
2. The project report will be handwritten, and credit will be awarded to original drawings, illustrations and creative use of materials.
3. The project report will be developed in this sequence-

- Cover page showing project title, student information, school and year
- List of contents
- Acknowledgements and preface (acknowledging the institution, offices and libraries visited and person who have helped).
- Introduction.
- Objectives.
- Developments around the world
- Steps taken by Government of India
- Conclusions (summary and suggestions or findings, future scope of study)
- Bibliography


## Attempt all questions:

1. What is an economy? 1
2. Define domestic income. 1
3. Give the meaning of per capita income. 1
4. Write a short note on HDI. 1
5. Define economic activity. 3
6. What is non-economic activity? 3
7. What is economic development? 5
8. How do you compare two countries? 5

## Political Science

## Topic - Popular struggles and movements / consumer rights.

Objective: The overall objective of the project work is to help students gain an insight and pragmatic understanding of the theme. They will see all the social science disciplines from an interdisciplinary perspective. It should also help in enhancing the life skills of the students.

Students are expected to apply the Social Science concepts that they have learnt over the years in order to prepare the project report.

If required, students may go out for collecting data and use different primary and secondary resources to prepare the project. Credit will be given for incorporating various forms of art.

- The project report should be handwritten by the students themselves.


## Attempt all questions:

1. Why is it very difficult to make changes to the power sharing arrangement between the Union Government and State Governments? Explain with examples.
2. Explain how power is shared among different organs of the government. 3
3. Describe any three demands of the Sri Lankan Tamils. How did they struggle for their demands?
4. What is Majoritarianism? How has it increase the feelings of alienation among Sri Lankan Tamils? Explain with examples.
5. How have Belgium and Sri Lanka dealt with the question of power sharing differently?
6. Explain two reasons as to why power sharing is desirable. 1
7. Describe any three features of the federal government. 3
8. What was the language policy of India? Write in detail. 5

## History :

Project: Make a Presentation on the importance of the silk route in the present time.
Attempt all questions:

1. Write a brief note on the 'Irish Potato Famine' in about $50-60$ words.
2. Give two examples of different types of global exchanges which took place before the 17th century, choosing one example from Asia, and one from the America.
3. Describe the significance of silk-routes in the pre-modern period in the field of trade, cultural exchange and religion.3
4. Enumerate the importance of silk routes. 3
5. Explain the three types of 'flows' within the international economic exchanges. 3
6. Mention any three main destinations of the Indian indentured migrants. 3
7. What were Corn Laws? Why was the Corn Law abolished? What was the effect of it? 5

## GEOGRAPHY

## PROJECT:

## TOPIC:- RESOURCES, POLLUTION AND SUSTAINABLE DEVELOPMENT.

Prepare a report exhibiting importance and need for sustainable development. Your report should include the given content. This report is an individual activity.

## CONTENT:

Sustainable development and its importance
Consequences of resource exploitation:
Sustainable use of resources
Aims of sustainability:
Ways to limit the damage caused by humans to the environment
Energy Resources
Sustainable Resources:
Energy Efficiency
Global Waste Production
Reducing Waste
Industrial Pollution
Carbon Footprints
Your take on sustainable development

PREPARATION AND SUBMISSION OF PROJECT REPORT: -Following essentials are required to be fulfilled for its preparation and submission

1. The total length of the project report will be 10-15 pages.
2. The project report will be handwritten, and credit will be awarded to original drawings, illustrations and creative use of materials.
3. The project report will be presented in a neatly bound simple folder.
4. The project report will be developed in this sequence-

- Cover page showing project title, student information, school and year
- List of contents
- Acknowledgements and preface (acknowledging the institution, offices and libraries visited and person who have helped).
- Introduction.
- Chapters with suitable headings.
- Conclusion (summary and suggestions or findings, future scope of study)

Bibliography- Should have the title, pages referred, author, publisher, year of publication and if a website with specific website link which has been used.

- All the photographs and sketches should be labelled and related to the theme.
- Appendix (if needed)


## Attempt all questions:

$1 \quad$ What is the main aim of agenda 21? $\quad 1$
2 Classify resources based on the status of development. 1
3 What are ravines? 1
4 Mention two methods of soil prevention in the hilly areas. 1
$5 \quad$ Explain three stages of resource planning in India. 1
6 How are modern adaption of traditional rainwater harvesting methods being carried out to conserve and store water? 3
7 Differentiate between primitive subsistence and intensive subsistence farming. 5
8 Explain the classification based on international union for conservation of nature and natural resources. (IUCN)

