# St. Mary's School, Dwarka <br> Holiday Homework <br> Class IX <br> Week 2 <br> Worksheet 2 

## Subject: English

## SECTION A - READING

## Q. 1 Read the following passage carefully.

Sloping hills, green, winding roads through rolling tea gardens, mists slowly enveloping the hills, silver oaks dancing in the wind, smell of cardamom in sprawling spice gardens and scenic resorts overlooking the valley; these are some of the scenes from Munnar, the breathtakingly beautiful hill station of Kerala.

Wherever you go through the winding roads, you will find rolling grasslands and velvet beds of tea gardens all around you. Recently trimmed patches alongside brown cropped slopes and freshly grown tea, make Munnar the Eden of tea gardens. I'm not exaggerating; you really won't find a greater variety of tea gardens elsewhere in India.

But that's not all, Munnar also has lots of other things to offer-the Neelakurunji flower [the flower that lights up its forests once in 12 years], the Nilgiri Tahr [a rare breed of mountain goat that is found only in Munnar] and the Anamudi [the highest peak in South India].

Munnar derives its name from the Tamil words munu [three] and aaru [river]. The town is situated at the confluence of Mudrapuzha, Nallathani and Kundala rivers. It is located near the Tamil Nadu border and is close to both Coimbatore and Kochi, making it a preferred weekend spot for those residing there. But its beauty lures people from far and beyond-it's also a popular destination of foreign tourists coming to India. It used to be the favourite summer resort of the English, when the British ruled India. And why not? The town and its surroundings vary in height from $1700 \mathrm{~m}-2700 \mathrm{~m}$ above sea level and offer stunning views of hills and valleys. It has a salubrious climate round the year, which makes it a pleasurable place to spend your vacation. Even in summer, the temperature varies from 8 degrees - 16 degrees Celsius.

In summer, the sudden showers turn its tea gardens into magical carpets and bestow an ethereal look to the landscape. No wonder many good resorts have cropped up in the area. A four or five night stay in these resorts can give you everything from recreational activities and tours to Ayurveda massages and treks-a total rejuvenation package. We booked ourselves into a resort near a tea garden. And as far as the eye could see, there was mist and miles of tea gardens. The main town is a little congested though.
1.1 On the basis of your reading of the above passage, answer the following questions: ( $1 \times 4=4$ )
a) What does one see everywhere in Munnar? Why is Munnar named as the Eden of tea garden?
b) How did Munnar get its name? What was Munnar famous as during the British rule?
c) What makes Munnar a popular tourist destination throughout the year?
d) How does rain enhance the beauty of Munnar in summers?
1.2 Find the antonym of the word 'salubrious'.

## SECTION B- WRITING

Q2. You are Deepa/Dhruv. Recently, you received the 'Student of the Year' award for your academic excellence. Write a diary entry expressing your feelings and emotions in not more than 120 words. (3)

## SECTION C- GRAMMAR

## Q3. Fill in the blanks with appropriate words:

$\qquad$ most popular drinks in the world. It is slightly acidic b) $\qquad$ has a stimulating effect on humans c) $\qquad$ of its caffeine content. It can be prepared and presented in a variety of ways. The effect d) $\qquad$ coffee on human health has been a subject of many studies; however, results have varied in terms of coffee's relative benefit.
Q4. The following passage has not been edited. There is an error in each line against which a blank is given. Identify the incorrect word and write the correct word in your answer sheet.
( $1 / 2 \times 4=2$ )

National Anthems are sung and played on special occasions
Incorrect in almost all the countries in the world. They are patriotic songs, sung as a mark of honour to a countries concerned. These are sung too inspire patriotic feelings in people.
a) $\qquad$
b) $\qquad$
c) $\qquad$
d) $\qquad$

Correct
$\qquad$
$\qquad$
$\qquad$
$\qquad$

Q5. Read the following conversation and complete the following statements in reported speech.

Jagat: When did you arrive from Canada?
Mohan: I arrived at the airport at 4 a.m. yesterday.
Jagat: How was your journey?
Mohan: It was a not a very pleasant journey as the flight was delayed for two hours.

Jagat asked Mohan a) $\qquad$ . Mohan replied that b) $\qquad$ the previous day. Jagat further wanted to know c) $\qquad$ . Mohan replied that d) $\qquad$ —.

## SECTION D - LITERATURE

## Q6. Read the following stanza and answer the following questions:

And both that morning equally lay
In leaves no step had trodden black.
Oh, I kept the first for another day!
Yet knowing how way leads on to way,
I doubted if I should ever come back.
a) What did the poet see in the morning?
b) What had the poet kept for another day?

Q7. Describe the County Inspector.
Q8. How is Shehnai different from Pungi?
Q9. Evelyn was a determined, hardworking and focused girl. Justify the statement with the help of examples from the lesson.
Q10. What are the various things the boy sees in the fair? How does he feel when he is unable to find his parents in the fair?

## Subject: Hindi

प्रश्न 1 शब्द एवं पद में अंतर उदाहरण सहित स्पष्ट कीजिए।
प्रश्न 2 'मोहन पुस्तक पढ़ता है।' इस वाक्य में 'पुर्तक' शब्द है या पद?
प्रश्न 3 कमल, मंदिर शब्द है या पद कारण सहित स्पष्ट कीजिए।
प्रश्न 4 उचित ऊधान पर उपयुक्त अनुस्त्वार षवं अनुनास्किक का प्रयोग कीजिए।
(1) कस
(2) वदन
(3) चाद
(4) मद
(5) काच
(6) अलकार
(7) पाव
(8) सपूर्ण

प्रश्न 5 उचित स्थान पर उपयुक्त अनुर्त्वार एवं अनुनान्सिक्र क्रा प्रयोगा कीजिए।
(1) दात
(2) बद
(3) गवार
(4) आख
(5) अग
(6) नदिया
(7) कुआ
(8) पखा

प्रश्न 6 निम्नलिखित शब्दों में से उपस्सर्ग व मूल शब्द अलग-अलग करके लिखिए।
(1) अनपढ़
(2) प्रदर्शन
(3) दुर्घटना
(4) अवगत
(5) निराशा
(6) आशांका
(7) हमशक्ल
(8) आगमन

प्रश्न 7 निम्नलिखित शब्दों में से मूल शब्द व प्रत्यय अलग -अलग क्रक़े लिखिए।
(1) साहसिक
(2) दयालु
(3) समझदार
(4) कड़वाहट
(5) सुंदरता
(6) मौलिक
(7) नौकरी
(8) जयपुन्चिया

## Subject - Mathematics

Q1. Rationalise the denominator of $1 /[7+3 \sqrt{ } 3]$.
Q2. Simplify: $(\sqrt{3}+\sqrt{7})(\sqrt{3}-\sqrt{ } 7)$.
Q3. Represent $\sqrt{ }(9.3)$ on the number line.
Q4. Simplify:
(i) $7^{2 / 3} \cdot 7^{1 / 5}$
(ii) $10^{1 / 2} / 10^{1 / 4}$

Q5. What is the value of $(256)^{0.16} \mathrm{X}(256)^{0.09}$ ?
Q6. State if zero is a rational number. Justify your statement by representing it in $\mathrm{p} / \mathrm{q}$ where q is not equal to 0 and p and q are both integers.

Q7. Find out 5 different rational numbers between 12/11 and 10/11.
Q8. Simplify: [\{(82+92)2\}0]2
Q9. Let $\mathrm{a}>0$ be a real number and p and q be rational numbers. Then which of the following statement(s) is/are correct?
(i) $\mathrm{ap} \cdot \mathrm{aq}=\mathrm{ap}+\mathrm{q}$
(ii) $\mathrm{ap} \mathrm{bp}=(\mathrm{ab}) \mathrm{p}$
(iii) $(\mathrm{ap}) \mathrm{q}=\mathrm{apq}$
(iv) All of these

Q10. If $x=3+2 \sqrt{ }$, find the value of $x^{2}+1 / x^{2}$

## Subject: Science

## Project Work

Prepare a project report on 'Air Pollution and Health'. Collect information and pictures on-

- air pollution as a cause of respiratory diseases,
- effects of short-term exposure and long-term exposures of air pollutants on human health,
- major risks associated with specific air pollutants.

Analyse the results with the help of graphical representation or pie charts.

## WORKSHEET II

Q1. 'Every multicellular organism arises from a single cell'. Justify the statement.

Q2. Which of the following graphs show runners moving with same speed? Give reason for your answer.

A

B

C

Q3. Runner A started 10 yards ahead of runner B. Which of the following graphs depict their motion? Give reason for your answer.




Q4. Observe the following:


The above figure shows the burning of an oil lamp.
(i) Identify the state of matter in (a) and (b)
(ii) Draw the arrangement of particles in the state of matter in positions (a) and (b), when the lamp is burning.

Q5. Differentiate between cell membrane and cell wall of a plant cell.

Q6. The graph given below gives the distance covered by three friends Albert, Bob and

Charlie during a race. Study the graph and answer the following questions:

a) Who do you think won the race? Why?
b) Which runner stopped for a rest? How long was the rest?
c) Identify the time period in which one of the three friend was moving with uniform speed.

Q7. Study the four distance time graphs given below and choose a description for each.
Explain your answers.


Descriptions:

1. The car has stopped.
2. The speed of the car is decreasing.
3. The car is traveling at a constant speed.
4. The car is moving back.

Graph A matches description $\qquad$ because $\qquad$ .

Graph B matches description $\qquad$ because $\qquad$ .

Graph C matches description $\qquad$ because $\qquad$ -.

Q8. Differentiate between solids, liquids and gases on the basis of:
i. kinetic energy,
ii. inter-particle space
iii. inter-particle force of attraction

Q9. a) What is cell division? Write its significance. Name the types of cell division.
b) Identify the type of cell division among the following:
(i) It increases variation in a population of sexually reproducing organisms.
(ii) two identical daughter cells
(iii) growth or replacement of old cells
(iv) four unique daughter cells

Q10. (i) Define the boiling point of a liquid.
(ii) Write the boiling point of water in Kelvin scale.
(iii) Three students $\mathrm{X}, \mathrm{Y}$ and Z, heated 100 ml water in three separate beakers simultaneously. After the water started boiling, they noted down the temperature after every 4 minutes. They submitted their observation table with the readings given below. The teacher informed that the readings of only one student are correct. Identify whether the correct observations are of X, Y or Z. Justify your answer.

| Time <br> ( min.) | Temperature( in ${ }^{\circ} \mathbf{C}$ ) |  |  |
| :---: | :---: | :---: | :---: |
|  | $\mathbf{X}$ | $\mathbf{Y}$ | $\mathbf{Z}$ |
| 1 | 80 | 100 | 100 |
| 2 | 85 | 105 | 100 |
| 3 | 90 | 110 | 100 |
| 4 | 100 | 115 | 100 |

## Subject-Social Science

Q1. What were the main ideas behind the French Revolution?
Q2. How did a directory rule in France? Explain.

Q3. What were the causes of the empty treasury of France under Louis XVI?

Q4. Write the importance of Napoleon Bonaparte in the History of France and the world.
Q5. Write any three features of democracy.
Q6. How was 'apartheid' practised in South Africa?

Q7. To what extent elections held in China are free and fair? Explain.

Q8. What compromise was made by white minority and black majority in South Africa?

Q9. Describe the infrastructure development of village Palampur.

Q10. Geography Project/Activity
Project work on Disaster Management:

As students of social sciences and as conscious citizens, doing a project on disaster management is going to give you a first-hand experience and an opportunity to get yourself familiarise not only with the meaning, factors, etc. of disasters but also to learn the essentials of disaster preparedness and ways to collect relevant information pertaining to disasters and its effective dissemination.
A. Make a project on earthquake prone areas in India - causes, impact on life and property seismic zones, mitigation strategies used to reduce the impact in earthquake prone areas. (Roll No. 1-20)
B. Collect information on areas prone to cyclones in India - warning systems, effects of cyclones, mitigation strategies to be used while construction of buildings (Roll. No. 21-40 and onwards)

## GUIDELINES FOR THE PROJECT:

a. Project to be done on A-4 size sheet.
b. Project should be handwritten and should not exceed more than 10-15 pages.
c. On the first page student's performa to be writtten- Name, Class, Roll no., Name of the school, year of submission and topic.
d. Acknowledgement
e. Content or Index.
f. At the last Bibliography or references.
g. Newspaper cuttings, maps, diagram, illustrations are must.
h. Project should be strictly based on India.
i. Use your Disaster Management book for reference.
j. After the complation of the project, make a pdf and upload it on TEAMS.

## Subject: Computer Science

Q1. Explain the following change case options with the help of an example.
a) Sentence Case
b) Upper Case

Q2. a) The teacher has asked Shyama to create and save the new document in the LibreOffice Writer using the shortcut key combination. Help Shyama to complete this task.
b) Samir's teacher has given him an assignment to type a slogan"Green India Clean India" 25 times. Suggest Samir the appropriate shortcut keep to complete this assignment.
c) Aastha was asked to write the important international days to be celebrated in the month of April. She wrote $22^{\text {nd }}$ April is celebrated as Earth Day. Which feature did she use to raise the characters 'nd' in the date mentioned above?
d) Yash created a document on the topic 'Sustainable Development Goals'. The page was divided into into two columns to make it look like a newspaper column. How could he do so?

Q3. Explain the following basic functions of the navigator window.
a) Next Page
b) Previous Page
c) Header and Footer
d) Content View

Q4. Label any ten of the following options of the Bullets and Numbering toolbar.


## Q5. PRACTICAL WORK:

Perform the following practicals on OpenOffice Writer and mention the steps with screenshots in a MS- Word document.
Objective: To create, edit and apply the various features of table.
Create a time table for class IX as shown below:

| Class Teacher: Ms. Vandana Sharma |  |  |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Days | $\mathbf{1}$ | $\mathbf{2}$ | $\mathbf{3}$ | $\mathbf{4}$ | $\mathbf{5}$ | $\mathbf{6}$ | $\mathbf{7}$ | $\mathbf{8}$ |
| Mon | Hindi | Math | Math | Eng | SSC | SUPW | SUPW | SUPW |
| Tues | Science | Science | SSC | Eng | Math | Hindi | Hindi | SSC |
| Wed | SSC | Math | Science | Eng | Sc.(Pr.) | Sc.(Pr.) | Science | Games |
| Thurs | IT | IT | Math | Eng | Science | SSC | SSC | Games |
| Fri | Math | Math | Science | Eng | SSC | Hindi | Math | CTP |

Using the merge cell option redesign the table as shown below:-

| Class Teacher: Ms. Meera Saish |  |  |  |  |  |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Days | $\mathbf{1}$ | $\mathbf{2}$ | $\mathbf{3}$ |  | $\mathbf{4}$ | $\mathbf{5}$ | $\mathbf{6}$ | $\mathbf{7}$ | $\mathbf{8}$ |
| Mon | Hindi | Math |  | Eng | SSC | SUPW | SUPW |  |  |
| Tues | Science |  | SSC | Eng | Math | Hindi |  | SSC |  |
| Wed | SSC | Math | Science | Eng | Sc.(Pr.) |  | Science | Games |  |
| Thurs | IT |  | Math | Eng | Science | SSC |  | Games |  |
| Fri | Math |  | Science | Eng | SSC | Hindi | Math | CTP |  |

Take the screenshots stepwise while creating the time table and merging the cells of the table.

