

St. Mary's School, Dwarka
Holiday Homework
Class X
Week 2
Worksheet 2

Subject: English

READING

Q1. Read the following passage carefully.

1. These days, it is not unusual to see people listening to music or using their electronic gadgets while crossing busy roads or travelling on public transports, regardless of the risks involved. I have often wondered why they take such risks: is it because they want to exude a sense of independence, or is it that they want to tell the world to stop bothering them? Or is it that they just want to show how cool they are? Whether it is a workman or an executive, earphones have become an inseparable part of our lives, sometimes even leading to tragicomic situations.
2. The other day, an electrician had come to our house to fix something. We told him in detail what needed to be done. But after he left, I found that the man had done almost nothing. It later turned out that he could not hear our directions clearly because he had an earphone on. Hundreds of such earphone addicts commute by the Delhi Metro every day. While one should not begrudge anyone, and their moments of privacy or their love for music, the fact is that 'iPod oblivion' can sometimes be very dangerous.
3. Recently, I was travelling with my wife on the Delhi Metro. Since the train was approaching the last station, there weren't too many passengers. In our compartment, other than us, there were only two women sitting on the other side of the aisle. And then suddenly, I spotted a duffel bag. The bomb scare lasted for several minutes. Then suddenly, a youth emerged from nowhere and picked up the bag. When we tried to stop him, he looked at us, surprised. Then he took off his earpieces, lifted the bag, and told us that the bag belonged to him and that he was going to get off at the next station.
4. We were stunned but recovered in time to ask him where he had been all this while. His answer : he was in the compartment, leaning against the door totally immersed in the music. He had no clue about what was going on around him. When he got off, earplugs in his hand, we could hear strains of the song.

1.1 On the basis of the reading of the passage given above, answer the questions that follow: (1x4=4)

- (i) What reasons does the author suggest for the people taking risks on the road ?
- (ii) Why didn't the electrician carry out the work properly?
- (iii) Why were the people in the Metro doubtful about the bag?
- (iv) Explain the term 'earphone addicts'?

1.2 Find words from the paragraph indicated which are similar in meaning to the words given below. (1)

- (i) absorbed (para 4)
(ii) envy (para 2)

WRITING & GRAMMAR

Q2. You are Deep/Deepika Sharma of C-105, Janak Puri, New Delhi. You are extremely disturbed after reading about the attacks on elderly . Write a letter to the Editor of The New Indian Express expressing your concern about the issue. Also suggest ways to improve the situation. **(3)**

Q3. Choose the correct options to fill in the blanks to complete the passage. **(1/2x2=1)**

Customer : Waiter ! Please get me a cup of tea.

Waiter : Hot or cold, sir?

Customer : Does anyone drink cold tea in winter! Get me a cup of steaming hot tea.

Waiter : Yes, sir!

One day a customer came to a cafe and (a)a cup of tea. The waiter immediately asked him (b) hot tea or cold tea. Flabbergasted, the customer exclaimed that if anyone drank cold tea in winter and ordered the waiter to get him a cup of steaming hot tea.

(a)

- (i) requested for
(ii) asked for
(iii) ordered
(iv) told about having

(b)

- (i) what he would like
(ii) whether he would like
(iii) will he like
(iv) shall he like

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. **(1/2x4=2)**

Error	Correction
An elephant do not work mechanically	i).....
likes many other animals. He never stops	ii).....
learning because he can always thinking.	iii).....
Not even a really good sheep-dog could	iv).....
be compared with an elephant in intelligence.	

Q5. Fill in the blanks by choosing the correct options.

(1/2x4=2)

a) How.....you do this to me?

- (i) shall (ii) could
(iii) would (iv) should

b) You.....not repeat the same mistake again after I corrected you yesterday.

- (i) could (ii) should
(iii) may (iv) might

c) Carl has.....honorary degree in Architecture.

- (ii) the (ii) a
(iii) an (iv) X

d) Karin and her sisters at the mall before you came.

- (i) will have been shopping
(ii) had been shopping
(iii) has been shopping
(iv) will be shopping

LITERATURE

Q6. Read the stanza given below and answer the questions that follow:

(1x2=2)

Has given my heart
A change of mood
And saved some part
Of a day I had rued.

- a) How was the poet's mood in the beginning? Find an example of alliteration in the above stanza.
b) What changed the poet's mood? Which word in the stanza means 'regret'?

Answer the following questions in 20 to 30 words

Q7.How did the post master collect money for Lencho?

(2)

Q8. Find an example of the following figures of speech from the lesson 'The Letter to God'.

(2)

1) Simile-

2) Metaphor-

Answer the following questions in 50 to 60 words

Q9. Write the character sketch of Lencho.

(3)

Q10.'Humanity still exists' is what we get to know after reading 'A Letter to God'. The story

depicts the firm faith of a poor farmer in God and the assistance of the post office employees.

What message does the story convey?

(3)

Subject: Hindi

प्रश्न 1 निम्नलिखित वाक्यों की रचना के आधार पर सरल वाक्य में रूपांतरण कीजिए — (2)

- 1 जो साहसी होते हैं वह विद्यार्थी उन्नति करते हैं।
- 2 भोर हुई और हम लोग आगरा पहुँचे।
- 3 'धन आता है। घमंड हो जाता है।'
- 4 दो सौ आदमियों का जुलूस लालबाजार गया और वहाँ पर गिरफ्तार हो गया।

प्रश्न 2 निम्नलिखित वाक्यों की रचना के आधार पर संयुक्त वाक्य में रूपांतरण कीजिए — (2)

- 1 सूर्योदय होते ही चिड़िया चहचहाने लगी।
- 2 वह बिस्तर पर जाते ही सो गया।
- 3 जब तुम पढ़ लोगे तब सो जाना।
- 4 जैसे ही बादल घिरे, मोर नाचने लगा।

प्रश्न 3 निम्नलिखित वाक्यों की रचना के आधार पर मिश्रित वाक्य में रूपांतरण कीजिए — (2)

- 1 सूरज निकला और फूल खिल उठे।
- 2 अच्छे लड़के मेहनती होते हैं।
- 3 माँ के जाते ही बालक रोने लगा।
- 4 निराला जी द्वारा रचित कविता सभी को पसंद आई।

प्रश्न 4 निम्नलिखित वाक्यों की रचना के आधार पर नाम लिखिए — (2)

- 1 धन आने पर घमंड हो जाता है।
- 2 कुछ लोग इसलिए दान करते हैं कि उनका नाम हो।
- 3 वह केवल बोलता ही नहीं बल्कि ध्यानपूर्वक सुनता भी है।
- 4 अध्यापक ने कहा कि तुम कक्षा में प्रतिदिन आओ।

प्रश्न 5 निम्नलिखित मुहावरों के अर्थ लिखिए — (2)

- 1 पहाड़ होना 2 पापड़ बेलना 3 प्राण सूखना 4 बूते के बाहर होना।

प्रश्न 6 निम्नलिखित मुहावरों का वाक्य में प्रयोग कीजिए — (2)

- 1 बे-सिर-पैर की बातें 2 मुँह चुराना 3 लोहे के चने चबाना 4 सिर पर एक नंगी तलवार-सी लटकती मालूम होना।

प्रश्न 7 रिक्त स्थानों की पूर्ति मुहावरों का प्रयोग करते हुए कीजिए — (2)

- 1 सुरेश की दुकान में चोरी क्या हुई, उसका तो दिल ही टूट गया। आखिर उसकी थी, कोई हराम की कमाई नहीं थी।
- 2 जंगल में अकेले जाना कोई नहीं होता।
- 3 कक्षा में प्रथम आने के लिए निखिल पढ़ाई करता है।
- 4 गलती करके पकड़े जाने पर माता-पिता ने पुत्र को लिया।

प्रश्न 8 निम्नलिखित पदों का समास विग्रह कीजिए —

(2)

1 भाई—बहन 2 माता—पिता 3 नवग्रह 4 त्रिलोचन ।

प्रश्न 9 निम्नलिखित पदों का समस्त पद लिखिए —

(2)

1 राजा और रंक 2 सात ऋषियों का समाहार 3 पाँच आर्षों का समूह 4 रात और दिन ।

प्रश्न 10 निम्नलिखित समस्त पदों के सामसिक नाम लिखिए —

(2)

1 अष्टाध्यायी 2 आग-पानी 3 पाप - पुण्य 4 त्रिभुवन ।

Subject - Mathematics

Q-1 Express each number as a product of its prime factors: (2)

(i) 3825 (ii) 5005

Q-2 Given that $\text{HCF}(306, 657) = 9$, find $\text{LCM}(306, 657)$. (2)

Q-3 The following real numbers have decimal expansions as given below. In each case, decide whether they are rational or not. If they are rational, and of the form, p/q what can you say about the prime factors of q ?

(2)

(i) 43.123456789

(ii) 0.120120012000120000

Q-4 Check whether 6^n can end with the digit 0 for any natural number n . (2)

Q-5. Find HCF and LCM of 13 and 17 by prime factorisation method. (2)

Q-6. Prove that $2 + 3\sqrt{5}$ is an irrational number. (3)

Q-7 Show that the square of any positive odd integer is of the form $8m + 1$, for some integer m . (3)

Q-8. Find the remainder when $x^3 + x^2 + x + 1$ is divided by $x - 12$ using remainder theorem. (3)

Q-9 Prove that $2\sqrt{3} - 1$ is an irrational number. (3)

Q-10 Prove that the product of any three consecutive positive integers is divisible by 6. (3)

Subject: Science

Project Work

Follow the steps given below to create a flipbook:

1. Take 20 pages with dimensions 20cm x 10cm.
2. Bind them together in the form of a book.
3. Make dots on each page at the extreme right-hand side. Start putting the dots gradually from top to bottom, as shown in the figure, with a minor shift in each dot from the previous one.



4. Now flip the book quickly and answer the following questions.
 - i) What do you observe?
 - ii) Why do you think this happened?
 - iii) List any other example around you where you can observe similar effects.

Q1. Identify the mode of nutrition and type of organism involved in the figure given below?

Explain the type of digestion involved here.

(2)



Figure 1

Q2. a) Which spherical mirror can produce -1 magnification of an object?

What would be the position of the object in this case?

b) Why does a ray of light, incident through centre of curvature of a spherical mirror, retrace its path?

(2)

Q3. Where should we place an object in front of a spherical mirror of focal length

10cm in order to produce a real image 15 cm from the mirror?

(2)

Q4. A metal 'X' acquires a green colour coating on its surface on exposure to air.

a) Identify the metal 'X' and define the process responsible for this change.

b) Name the green coating formed on the metal.

(2)

Q5. Differentiate between arteries, veins and Capillaries.

(3)

Q6. a) A concave mirror produces a magnification of +5. What should be the position of the object?

b) A 2.0 cm tall object is placed perpendicular to the principal axis of a convex mirror of focal length 10 cm. The distance of the object from the lens is 15 cm. Find the magnification of the image formed.

(1+2)

Q7. A 60 cm tall red rose is placed 40 cm from a convex mirror of focal length 20 cm. Find the position of the image using:

i) ray diagram ii) the mirror formula.

(3)

Q8. What do you mean by precipitation reactions? Explain by giving examples/ chemical equations.

(3)

Q9. Draw a well labelled diagram of human excretory system.

(5)

Q10. Identify the types of chemical reactions and write their balanced chemical equation.

(a) Magnesium oxide and carbon dioxide react to produce magnesium oxide and carbon.

(b) Hydrogen sulphide gas burns in air to give water and sulphur dioxide.

(c) Aqueous solution of barium chloride reacts with aluminium sulphate to give aluminium chloride and barium sulphate.

(d) Chlorine gas reacts with calcium iodide to form calcium chloride and iodine.

(e) .Water produces hydrogen gas and oxygen gas when electric current is passed through it.

(5)

Subject: Social Science

Q1. Which French artist prepared a series of four prints visualising his dream of a world?	2
Q2. What do you understand by the word 'absolutist'?	2
Q3 What are ravines?	2
Q4. Distinguish between Khadar and Bhangar.	2
Q5. What is meant by National Development?	3
Q6. Highlight any three major advantages of public facilities.	3
Q7. What is Majoritarianism? How has it increase the feelings of alienation among Sri Lankan Tamils.	3
Q8. How power is shared among different organs of government ?	3
Q9. What led to the emergence of new middle class in Europe?	5
Q10. Discuss any five key features of federalism in detail.	5

Subject: Computer Science

I Fill in the blanks:

$\frac{1}{2} \times 10 = 5$

1. Press _____ short cut key to open styles and formatting window in OO writer.
2. A _____ mode is used to apply a style to many different areas quickly without having to go back to the Styles and Formatting window and double-click every time.
3. To use template click on _____ → _____ option from file menu.
4. To quit Fill Format mode, press _____ key.
5. To create a style click on _____ icon available in styles and formatting dialog box.
6. Click _____ option from styles and formatting dialog box to apply style created from another document.
7. The _____ and _____ additional toolbars can be also used to modify the images for corrections and to obtain special effects.
8. The _____ option is particularly useful when creating a watermark or when the image in background.

II Answer the following:

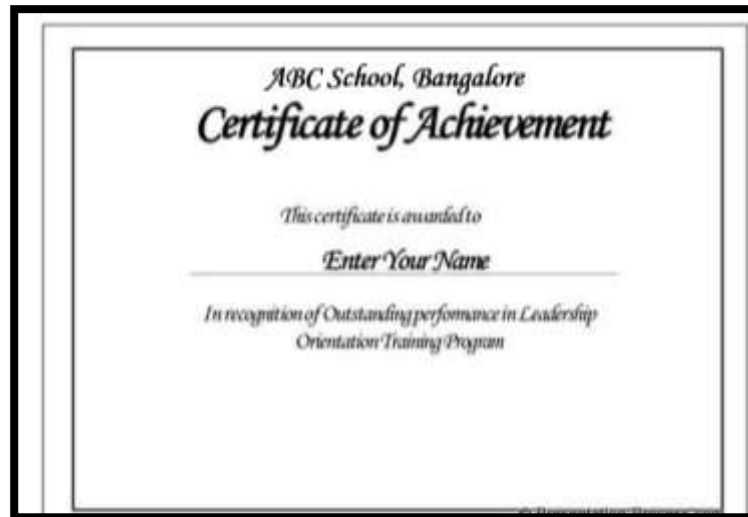
- | | | |
|----|---|---|
| a) | Write steps to draw shapes in OO Writer. | 2 |
| b) | How to add or delete background to the table of contents? | 2 |
| c) | How to insert images through clipart in OO Writer? | 2 |
| d) | What is the pre-requisite of the table of contents? | 2 |
| e) | Explain the entries tab in detail. | 2 |

PRACTICAL WORK:

Perform the following practicals on OpenOffice Writer and mention the steps with screenshots in a word document.

1) Objective: Creating templates in OpenOffice Writer.

Task: Create a document that looks like a screenshot and save as a template. Follow the instructions given below:



Instructions:

Apply page borders as displayed in the screenshot. Apply border colour as per your choice.

Page orientation must be landscape.

Give your desired formatting for the text written in the certificate.

Save your file as a template and give the name certificate template.

2) Objective: Creating Table of Contents in OpenOffice Writer.

Task: Create a table of contents on the theme: **Simulation Software**

Heading 1 – Font Colour- Orange, Drop Cap, Font – Segoe UI Black

Heading 2 – Set All Four Borders , Line Style – Dash Dot, Line Color – Dark Blue 4

Heading 3 - Area – Gradient : Green Grass , Alignment – Center