

Summer Holiday Homework

Class- IX

Subject:- Computer

1. Prepare a communication cycle making all the elements on a chart paper.
2. Write 5 sentences each of the 4 types of sentences.

**EMMANUEL MISSION SCHOOL
SUMMER HOLIDAY HOMEWORK
SUBJECT - ENGLISH
CLASS - 9TH (A , C)**

A. Write a Biographical Sketch on :

(1) Robert Frost

OR

(2) Subramania Bharati

B. Write a Summary on the given theme: (Any 1)

(1) The fun they had

(2) The Sound of Music

(3) The Lost Child

C. Write the meaning of the given poem (stanza wise) :

(1) The Road Not Taken

Or

(2) Wind

Summer holiday homework

Subject: English

Class: IX

Sentence reordering

Tips

- 1- First look for the subject (Noun/ Pronoun).
- 2- Look for the helping verb.
- 3- Look for the Main Verb.
- 4- Look for the object (direct & indirect).
- 5- Also look for Wh-word.
- 6- Arrange the words in a meaningful sentence.

Solved exercises

1. Look at the words and phrases below. Rearrange them to form meaningful sentences. The first one has been done as an example.

the watermelon/thirst quenchers/in summers/is/one of the best.

One of the best thirst quenchers in summers is the watermelon.

a- around/it is/96 countries/cultivated in/the world.

b- in Africa/about 5000 years/grown/ago/it was/first.

c- say that/at the/it was grown/some researchers/same time/in India.

d- the travellers/across a desert/it was/when they/used by/travelled.

Answers

a- It is cultivated in 96 countries around the world.

b- It was first grown in Africa about 5000 years ago.

c- Some researchers say that it was grown in India at the same time.

d- It was used by travellers when they travelled across a desert.

2. (a) water supply/they get/they eat/from/all their/the leaves

(a) inhabited//tree leaves/so,/by koalas/in areas/of/is high/demand

(b) one group/it takes/to support/several acres/of koalas/of trees

(c) can eat/every day/each/one and a half kilograms/adult Koala/up to /of leaves

ANS: (a) They get all their water supply from the leaves they eat.

(a) So, in areas inhabited by Koalas demand of tree leaves is high.

(b) It takes several acres of trees to support one group of Koalas.

(c) Each adult Koala can eat one and a half kilograms of leaves every day.

Unsolved exercises

1. Look at the words and phrases below. Rearrange them to form meaningful sentences.

a- no parallel/discipline/of any kind/has

b- go together/duties/should/discipline/and rights

c- equally important/should be/treated/for a/they/satisfying life

d- the other/or ignored/very bad/it will/if one/prove/overlaps

2. Rearrange the following to form meaningful sentences.

Peruvian foraging societies were already chewing coca leaves 8,000 years ago

foraging societies/Peruvian/8,000 years ago/chewing coca leaves/were already

(a) showed evidence/of chewed coca/in the northwestern Peru/and calcium rich rocks/ruins.

(b) such rocks/to create lime,/would have been burned/chewed with coca.

Gap filling

1) In fruit farms fruits are picked before they are fully ripe for otherwise they (a) ----- become overripe or decay (b) ----- reaching customers. Fruit picked too young (c)----- never ripen. It's a problem to predict whether a certain fruit will ripen (d) ----- not. Now a scanner has (e)---- ----- developed which can predict those fruits (f) ----- ultimately will ripe so that farmer (g) ----- sort out future fruits from the too-green .The scanner works (h) ---- a ripeness predictor.

(a) 1 must (b) 1 while (c) 1 will (d) 1 and
2 shall 2 after 2 are 2 or
3 may 3 when 3 being 3 but
4 should 4 before 4 were 4 so
(e) 1 being (f) 1 who (g) 1 can (h) 1 for
2 been 2 whom 2 need 2 by
3 be 3 that 3 dare 3 so
4 was 4 whose 4 shall 4 as

ANS: (a) ----- (b) ----- (c) ----- (d) -----
(e) ----- (f) ----- (g) ----- (h) -----

2) Cataract is a (a) ----- in the lens of the eye. Today, modern (b) ----- advances have made cataract surgery very successful. The cause of the cataract (c) ----- are not fully known. It is basically (d) ----- ageing phenomenon .Next to old age (e) --- ----- other factors like deficiency of food like proteins (f) ----- vitamins ,some toxic drugs and general diseases (g)----- diabetes ,infections and injuries. Nourishing diet rich (h) ----- proteins and vitamins can delay the onset of cataract.

(a) 1 opaque (b) 1 medicine (c) 1 forming (d) 1 a
2 opaqued 2 medicinal 2 formed 2 an
3 opaqueness 3 medical 3 forms 3 the
4 opacity 4 medicated 4 formation 4 some
(e) 1 is (f) 1 or (g) 1 like (h) 1 at
2 was 2 and 2 so 2 on
3 are 3 but 3 as 3 with
4 were 4 so 4 such 4 in

ANS: (A) ----- (b) ----- (c) ----- (d) -----
(e) ----- (f) ----- (g) ----- (h)

Dairy Entry :

- 1- Today you visited your ancestral village and watched the farmers harvesting a crop of wheat. Make a diary entry describing your experience at the village.
- 2- You happened to visit the science city, Gandhinagar as a part of educational excursion of your school. Describe your experience in the form of a diary entry.

Story writing

Holiday home work 🏠

Class 9

Subject -hindi

अनौपचारिक पत्र

1. भाई को कुसंगति से दूर रहने की प्रेरणा देते हुए अनौपचारिक पत्र लिखिए
2. गर्मियों की छुट्टियों में अपने मित्र को अपने शहर आमंत्रित करें और दर्शनीय स्थल की विशेषताओं को बताएं

अनुच्छेद लेखन

1. गर्मी की छुट्टियों का अनुभव
2. विद्यार्थी जीवन में अनुशासन का महत्व

संवाद लेखन

1. बढ़ती महंगाई के विषय पर 2 महीनों के मध्य हुए वार्तालाप का वर्णन कीजिए
2. दो मित्रों के मध्य किसी फिल्म के दृश्य का वर्णन कीजिए

दो चित्र वर्णन स्वयं अपनी इच्छा से करें

Emmanuel mission school, Jaisalmer

Holiday homework

Subject Mathematics

Class 9th

1. If $(x - 2a)$ is a factor of $2x^4 - 4ax^3 + 7x^2 - 13ax - 18$, find the value of a .
2. Calculate the value of $9x^2 + 4y^2$ if $xy = 6$ and $3x + 2y = 12$.
3. If the two $x - 2$ and $x - \frac{1}{2}$ are the given factors of $px^2 + 5x + r$, show that $p = r$.
4. Observe the value of the polynomial $5x - 4x^2 + 3$ at $x = 2$ and $x = -1$.
5. Expanding each of the following, using all the suitable identities:
 - (i) $(x+2y+4z)^2$
 - (ii) $(2x-y+z)^2$
 - (iii) $(-2x+3y+2z)^2$
 - (iv) $(3a - 7b - c)^2$
 - (v) $(-2x+5y-3z)^2$
6. Find the value of $x^3 + y^3 + z^3 - 3xyz$ if $x^2 + y^2 + z^2 = 83$ and $x + y + z = 1$
7. If $a + b + c = 15$ and $a^2 + b^2 + c^2 = 83$, find the value of $a^3 + b^3 + c^3 - 3abc$.
8. If $x + y = 12$ and $xy = 32$, Find the value of $x^2 + y^2$.
9. Simplify: $\frac{6}{2\sqrt{3}-\sqrt{6}} + \frac{\sqrt{6}}{\sqrt{3}+\sqrt{2}} - \frac{4\sqrt{3}}{\sqrt{6}-\sqrt{2}}$.
10. Show that: $\frac{1}{3-\sqrt{8}} - \frac{1}{\sqrt{8}-\sqrt{7}} + \frac{1}{\sqrt{7}-\sqrt{6}} - \frac{1}{\sqrt{6}-\sqrt{5}} + \frac{1}{\sqrt{5}-2} = 5$

11 Find an irrational number between $\frac{1}{7}$ and $\frac{2}{7}$.

12. Write three numbers whose decimal expansions are non-terminating and non-repeating.

13. If $x = 4\sqrt{3}$ find $x^2 + \frac{1}{x^2}$

14. . Find value of 'a' for which $(x - 4)$ is a factor of $(2x^3 - 3x^2 - 18x + a)$.

15. Find value using suitable identity

(a) 999^3 (b) 99.8^3

16. Factorise $1331a^3 + 125b^3 - 8c^3 + 330abc$

17. Factorise $343x^3 - 8y^3 - 125z^3 - 210xyz$

18. . Factorise $p^3 - q^3 + q^3 - r^3 + r^3 - p^3$

19. Insert 16 rational nos. between 2.1 and 2.2

20. Simplify $\frac{\sqrt{3}+\sqrt{2}}{\sqrt{3}-\sqrt{2}} + \frac{\sqrt{3}-\sqrt{2}}{\sqrt{3}+\sqrt{2}}$

SUMMER HOLIDAYS HOMEWORK

Class : 9

Subject: Science

Write all the questions with answers in your notebook

1. When 50 g of sugar is dissolved in 100 mL of water, there is no increase in volume. What characteristic of matter is illustrated by this observation?
2. What happens when an inflated air balloon is pricked with a pin? Name the property of the gaseous state exhibited by this observation.
3. Name the process which occurs when a drop of dettol is added to water.
Name the state of matter in which:
(i) Layers of particles can slip and slide over one another easily.
(ii) Particles just move around randomly because of very weak force of attraction.
4. Can materials exist in all the three states?
5. Kinetic energy of particles of water in three vessels A, B and C are EA, EB and EC respectively and $EA > EB > EC$. Arrange the temperatures, TA, TB and TC of water in the three vessels in increasing order.
6. When a crystal of potassium permanganate is placed in a beaker containing water, its purple colour spreads throughout the water. What do you conclude from this observation about the nature of potassium permanganate and water?
7. Why do solids have a regular geometrical shape?
8. Why steam at 100°C is better for heating purposes than water at 100°C?
9. What do you understand by the term 'latent heat of fusion'? How much is the latent heat of fusion of ice?
10. Which gas is called dry ice? Why?
11. Why do the doctors advise to put strips of wet cloth on the forehead of a person having high fever?
12. Why do people sprinkle water on the roof after a hot sunny day?
13. What is hypotonic solution?
14. What is hypertonic solution?
15. What is isotonic solution?
16. Cell wall is made up of which component?
17. Where are genes located?
18. There would be no plant life if chloroplasts did not exist. Justify.
19. Why is the Golgi apparatus called the secretory organelle of the cell?
20. What are the functional regions of a cell?
21. What are secretory proteins? Give an example of secretory protein.
22. Differentiate between diffusion and osmosis.
23. How are chromatin, chromatid and chromosomes related to each other?
24. Differentiate between rough and smooth endoplasmic reticulum. How is endoplasmic reticulum important for membrane biogenesis ?
25. What is cell division? Give the types of cell.

Summer Holiday Homework

Class IX

Subject:-Social science

HISTORY

1.The National Assembly framed a Constitution in 1791 to limit the powers of the

- (a) Monarch
- (b) Wealthy man

© businessmen

- (c) Press

2.Who wrote an influential pamphlet 'What is the Third Estate'?

- (a) Mirabeau
- (b) Abbe Sieyes

© Jean-Paul Marat

- (c) Olympe de Gouges.

3.Describe the incidents that led to the storming of the Bastille.

4.What do you know about the abolition of slavery in France ?

5.Write some of the main features of the French Constitution of 1791.

GEOGRAPHY

1.The Tropic of Cancer does not pass through

- (a) Rajasthan
- (b) Orissa (Now Odisha)

© Chhattisgarh

- (c) Tripura

Question 2.

The eastern most longitude of India is

(a) 97°25'E

(b) 68°7' E

© 77°6'E

(c) 82°32'E

3. How the Himalayas have been divided on the basis of regions from west to east?

4. The northern plains have diverse relief features". Explain.

5. Write a note on the location and size of India.

POLITICAL SCIENCE

1. Some of the drawbacks of democracy is

(a) Instability and delays

(b) Corruption and hypocrisy

© Politicians fighting among themselves

(c) All the above

2. What is Constitutional Law? (a) provisions given in the Constitution

(b) Law to make Constitution

© Law to set up Constituent Assembly

(d) None of the above

3. What is the role of citizen in promoting democracy?

4. How does democracy improve the quality of decision making?

5. How is democracy better than other forms of government?

ECONOMICS

1. What are the main factors of production?

2. Machinery, work plants, equipments, new technology, buildings are the example of?

3. What are the essential four requirements for production?

4.What are the harmful effects of the Green Revolution.

5.Discuss small-scale manufacturing, a non-farming activity in village Palampur, in detail.