English

Q.1 One fine day you find a letter addressed to you in your mail box. On opening it, you find two blank flight tickets inside. The date is May 2021 but the destination is blank. Decide where   you would go and why and also whom you will take with you on this dream holiday.
Make your description (120-150 words) so vivid and interesting that the person reading it too feels like joining you!

SAMPLE ANSWER

My ASGARD – The World I Wish to Live in

I would go to my fantasy world, Asgard with my friend Nisha. I would go there to see the roads which I believe are made of gold. I visualize that there are trees which bear different kinds of fruits. The buildings are shimmering white casting a blinding glow. There are elves, fairies, humans and giants who move together in harmony. Elves are tall and slender with an athletic build. Fairies, on the other hand, are thin with wings which are delicate and folded invisibly into expensively tailored clothes. The wings only burst forth in times of extreme joy or anger. I am sure that I would be thrilled moving amongst these varied creatures along with the other human beings. The gardens stretch endlessly holding varieties of the most beautiful flowers one had ever seen. There definitely exists peace, happiness and joy all around. I would like to visit this place and live there forever.

Q.2 We have not inherited the earth from our ancestors but have borrowed it from our children.
You must have read in the newspapers that pollution levels worldwide have reduced drastically in the recent past. Birds and animals are enjoying their new found freedom like never before. In light of this and the picture given below, share your thoughts in about 120-150 words.

SAMPLE ANSWER

Truly said, we have not inherited the earth from our ancestors but have borrowed it from our children.

As the world has closed down for a period of time, it has led to an unimaginable positive change in nature. The pollution levels worldwide have reduced drastically in the recent past. Birds and animals are enjoying their new found freedom like never before. The task of controlling the pollution level has been taken care of by the earth itself. Man kept struggling for years to control the level of pollution but couldn't tackle the problem which the planet has solved within a few months. We all wish to live on a beautiful, green, fresh and pollution free planet but shouldn't we think who is responsible to keep it in such a healthy state? Of course, it's we ourselves. Once life

goes back to normal, it should be our priority to keep the changes maintained which the earth has brought to itself and try better means to let our planet be safe and healthy for the generations to come.

Q.3 All of us enjoy reading the advertisements in the newspapers and magazines. Design creative advertisements for any four products that you use on a regular basis. Put the advertisement in a box, insert a catchy phrase and include some important information about the product.
Make your advertisement so attractive that the sale of your products goes up by 25 % in just one month!

SAMPLE ADVERTISEMENTS

1. **Item : Pencil Box**
   Brand : Unicorn

DREAM LIKE a UNICORN

➢ The Pencil Pouch With Extra Space
➢ As flat as a notebook, easy to carry

2.
   Item : Safety Gear
   Brand :MRF

CONNECT, CREATE, CRICKET

❖ *Safety First With Best Safety Gears*
❖ *Make Your Trick – Hat Trick*

3. Item : Toys

Brand : Bingo !

EVERY TOY HAS SPIRIT OF JOY

✓ *Bingo ! Toy CAR……...Strong with Amazing Speed*
✓ *Available in RAINBOW Colours*

3. **Item : Toothpaste**
   Brand : Colgate

It Stays on the JOB Fighting Cavities

↓ *It has Fluoride*
↓ *It's Smooth, Not Gritty*
↓ *It Leaves Teeth Glittering*

Q.4 Oxymoron is a figure of speech in which two opposite ideas are joined to create an effect as in: 'original copies' or 'seriously funny'.
The Oxymorons in the following sentences have been mixed up. Rewrite the following sentences using the correct Oxymorons.

Answers

a. There was a **love-hate** relationship between the two neighboring states.

b. The Professor was giving a lecture on **virtual reality.**

c. **Paid volunteers** were working for the company.

d. The channel was repeating the **old news.**

e. The contractor was asked to give the **exact estimate** of the project.

f. All the politicians **agreed to disagree.**

g. There was an employee in the office who was **regularly irregular.**

h. The sound of crickets, mosquitoes and the occasional hoot of an owl pierced the **deafening silence.**

i. The program was not liked by the people, for a lot of **unpopular celebrities** were invited.

j. The CEO of a multinational company said, "We have been **awfully lucky** to have survived the disastrous effects of the recent economic recession."

हिंदी

प्रश्न 1 - निम्नलिखित पद्यांश को पढ़कर प्रश्नों के उत्तर लिखिए-

क) कवि ने आगे बढ़ने में किन बाधाओं का उल्लेख किया है?

उत्तर - किसी भी व्यक्ति को अपने काम में आगे बढ़ने में कई तरह की परेशानियाँ आती हैं जैसे परिवार जनों का असहयोग, विरोधियों द्वारा हानि पहुँचाना या कोई रास्ता दिखाई न देना।इन्हीं बाधाओं को कवि ने 'तम 'और 'काँटे' कहा है।

ख) कवि ने अपनी कविता के द्वारा हमें क्या सन्देश दिया है?

उत्तर - कवि ने राह में आनेवाली किसी भी बाधा से न डरने और साहस के साथ आगे बढ़ने का संदेश दिया है।

ग) 'ज्ञान का दीपक जलाएँ' पंक्ति का आशय स्पष्ट कीजिए।

उत्तर - लोगों में फैली अज्ञानता को दूर करके उन्हें शिक्षा रूपी दीपक की रोशनी देकर सही राह दिखाना।

प्रश्न 2- निम्नलिखित शब्दों का वर्ण-विच्छेद कीजिए-

उत्तर -

प्रहार - प्+ र्+ अ+ ह् + आ+ र + अ

कृष्ण - क्+ ऋ + ष् + ण् + अ

बूँद - ब् +ऊँ +द् +अ

स्वतंत्र - स् +व् +अ +त् +अ +न् +त् +र +अ

श्रीमान

प्रश्न 3- दिए गए संज्ञा शब्दों में से जातिवाचक, व्यक्तिवाचक व भाववाचक संज्ञा शब्द अलग-अलग कीजिए-

उत्तर -

जतिवाचक संज्ञा - छात्रा , फल, समुद्र , अंगूर

व्यक्तिवाचक संज्ञा - इंदौर , ताला

भाववाचक संज्ञा - मानवता, मिठास, बचपन

प्रश्न 4 - इस लॉकडाउन की स्थिति में आप घर पर सामान्य दिनों से अधिक समय बिता रहे हैं| आपने ऐसा कोई काम भी किया होगा जो पहले कभी नहीं किया था |

(जैसे - बागवानी , व्यंजन बनाना , चित्रकारी, कविता की रचना , कहानी लेखन इत्यादि)
उस काम को सीखते हुए पूरा करने का आपका अनुभव लगभग 80 से 100 शब्दों में लिखिए |

उत्तर - विद्यार्थी स्वविवेक से लिखेंगे -

उदाहरण के लिए कुछ इस प्रकार लिखा जा सकता है -

पहले मैंने मैगी के अलावा कोई वस्तु नहीं बनाई थी परन्तु इस लॉकडाउन की स्थिति में माँ के साथ रसोईघर में काम करना सीखा। दो - तीन दिनों तक तो सिर्फ़ माँ की मदद की फिर उनसे पूछा कि क्या आज मैं भिंडी की सब्ज़ी बनाऊँ? वे बहुत खुश हुई कि आज बेटा कुछ नया सीखेगा। उन्होंने खुशी - खुशी मुझे पूरी विधि बताई और चाकू का सावधानी से प्रयोग करना भी सिखाया।उनके मार्गदर्शन में मैंने सब्जी बनाई। मेरा यह प्रयास सफल रहा , सबने सब्ज़ी चाव से खाई । मुझे भी आनंद प्राप्त हुआ।

Mathematics

1. In each of the following check a − b ≠ b − a

If a = $\frac{7}{-9}$ and b = $\frac{-6}{7}$

Solution: L.H.S

$$a\text{-}b = \frac{7}{-9} - \left(\frac{-6}{7}\right)$$
$$= \frac{-7}{9} + \frac{6}{7}$$
$$= \frac{-49+54}{63}$$
$$= \frac{5}{63}$$

R.H.S

$$b\text{-}a = \frac{-6}{7} - \left(\frac{-7}{9}\right)$$
$$= \frac{-6}{7} + \frac{7}{9}$$
$$= \frac{-54+49}{63}$$
$$= \frac{-5}{63}$$

L.H.S ≠ R.H.S

2. Divide the sum of $\left(\frac{-5}{8}\right)$ and $\left(\frac{3}{7}\right)$ by the difference of $\left(\frac{-2}{3}\right)$ and $\frac{4}{5}$.

Solution: $\left(\frac{-5}{8} + \frac{3}{7}\right) \div \left(\frac{-2}{3} - \frac{4}{5}\right)$
$$= \left(\frac{-35+24}{56}\right) \div \left(\frac{-10-12}{15}\right)$$
$$= \frac{-11}{56} \div \frac{-22}{15}$$
$$= \frac{-11}{56} \times \frac{-15}{22}$$

Answer: $= \frac{-15}{112}$

3. Use distributive property of multiplication to simplify the following:

Solution: $\frac{3}{6} \times \left\{ \frac{-9}{11} + \frac{5}{22} \right\} = \frac{3}{6} \times \frac{-9}{11} + \frac{3}{6} \times \frac{5}{22}$
$$= \frac{-9}{22} + \frac{5}{44}$$
$$= \frac{-18+5}{44}$$

Answer: $\frac{-13}{44}$

4. By what number should we divide $\frac{-10}{21}$ to get $\frac{-2}{3}$?

Soution : $\frac{-10}{21} \div \frac{x}{1} = \frac{-2}{3}$
$$\frac{-10}{21} \times \frac{1}{x} = \frac{-2}{3}$$
$$\frac{-10}{21} \times \frac{3}{-2} = x$$

Answer: $x = \frac{5}{7}$

5. $3^3 + 3^3 + 3^3 = ?$
Soution: 27+27=27 =81
Answer: 81

6. $(8^0 - 3^0) \times (8^0 + 3^0) = ?$
   Solution: $(1 - 1) \times (1 + 1)$ $(x^0 = 1)$
         $= 0 \quad \times \quad 2$
   Answer: $= 0$

7. $1^{2010} + 1^{2010} = ?$
   Solution: $1 + 1 = 2$ $(1^n = 1)$
   Answer: $= 2$

8. $\frac{1}{6} - \frac{1}{2} \div \frac{9}{6} = ?$
   Solution: $\frac{1}{6} - \frac{1}{2} \times \frac{6}{9}$
          $= \frac{1}{6} - \frac{1}{3}$
          $= \frac{1-2}{6}$
   Answer: $\frac{-1}{6}$

9. Find the product of additive inverse and multiplicative inverse of $\frac{-1}{3}$.
   Solution: $= \frac{1}{3} \times \frac{-3}{1}$
   (Additive Inverse Of $\frac{-1}{3} = \frac{1}{3}$, Multiplicative Inverse Of $\frac{-1}{3} = -3$)
            $= -1$
   Answer: $= -1$

10. The cells of a bacteria double itself every hour. How many cells will be there be after 8 hours, if initially we start with 1 cell. Express the answer in powers.
    Solution: First hour = 2 bacteria
               Second hour = 2^2
               .
               .
               .
               After 8 hours = 2^8 bacteria
    Answer: After 8 hours there will be 2^8 bacteria.

11. Mass of Mars is 6.42×10^{29} kg and mass of the sun is 1.99×10^{30} kg. What is the total mass?
    Solution: Mass of Mars + Mass of the Sun = $6.42 \times 10^{29} + 1.99 \times 10^{30}$
                                      $= 6.42 \times 10^{29} + 19.9 \times 10^{29}$
    Answer: Total mass is 26.32×10^{29} kg

12. In a stack there are 7 books of 500 pages. If the thickness of each page is 0.000075m, find the total t thickness of the stack.
Solution: Total pages = 500×7
= 3500
Thickness of each page = 0.000075m
Total thickness of the stack = 3500 × 0.000075
= 0.2625 m
Answer: Total thickness of the stack is 0.2625 m.

13. Express two years in seconds. Express in standard form.
Solution: Two years = 2×365 days
= 730 days
730 days =730 × 24 hrs
= 730 × 24 × 60 min
= 730 × 24 × 60 × 60 seconds
= 63072000 seconds
Answer: $6.3072×10^7$ Seconds.

14. Maths Eye
Each letter of the word MATHS represents the operation as given.

Letter					
Operations					

Find the value of the expression (−120)M(+15)A(−8)T2H(−19)S(−5)
Solution: (-120) ÷ 15 − (- 8) of 2+(-19) × (-5)
= (-120) ÷ 15 +8 of 2+(-19) × (-5)
= (-120) ÷ 15+ 16+(-19) × (-5)
= (-8) +16+(-19) × (-5)
= (-8) +16+95
Answer: 103

15. Solve the following puzzle by filling in the boxes with correct rational numbers.

Home Assignment Model Answers May 03, 2020
Class VIII
Science

❖ Let us Recall: (Activity 1)
  Fill the empty columns indicating their respective Biosphere reserve/State

S.NO.	Biosphere Reserve	State
1	Achanakmar-Amarkantak Biosphere Reserve	Madhya Pradesh, Chhattisgarh
2	Agasthyamalai Biosphere Reserve	Kerala, Tamil Nadu
3	Cold Desert	Himachal Pradesh
4	Dibru-Saikhowa	Assam
5	Dihang-Dibang	Arunachal Pradesh
6	Great Nicobar	Andaman and Nicobar Islands
7	Great Rann of Kutch	Gujarat
8	Gulf of Mannar	Tamil Nadu
9	Khangchendzonga	Sikkim
10	Manas	Assam
11	Nanda Devi Biosphere Reserve	Uttarakhand
12	Nilgiri Biosphere Reserve	Tamil Nadu, Kerala and Karnataka
13	Nokrek	Meghalaya
14	Pachmarhi Biosphere Reserve	Madhya Pradesh
15	Panna	Madhya Pradesh
16	Seshachalam Hills	Andhra Pradesh
17	Simlipal	Odisha
18	Sundarbans	West Bengal

- ❖ Let us find out: (Activity 2)
  List some Wild Sanctuaries located in India.

S.NO.	Wildlife Sanctuary (WS)	State
1	Mount Abu WS	Rajasthan
2	Valmiki WS	Bihar
3	Kedarnath WS	Uttarakhand
4	Kawal WS	Telangana
5	Defense WS	Andaman & Nicobar
6	Murti WS	West Bengal

- ❖ Let us investigate : (Activity 3)
  The following list includes top 10 national parks in India. Find out in which state they are located and also mention the names of wild animals which are found in these national parks.

  - Jim Corbett National Park – Uttarakhand - Bengal tigers

  - Kaziranga National Park – Assam - One horned rhinoceros

  - Gir Forest National Park – Gujarat - Asiatic lion

  - Sundarban National Park - West Bengal - Royal Bengal tiger

  - Satpura National Park - Madhya Pradesh - Leopard, Sambhar, Chital, nilgai, wild boar, black buck, porcupine, Indian giant squirrel.

  - Eravikulam National Park – Kerala - Nilgiri tahr (goat like species)

  - Pench National Park - Madhya Pradesh - Bengal tigers

  - Sariska National Park – Rajasthan - Royal Bengal tiger, Rhesus monkey

  - Kanha National Park - Madhya Pradesh - Indian tiger

  - Ranthambore National Park – Rajasthan - Bengal Tigers

- ❖ According to you, what could be the possible reasons for the animals' extinction?
1. Habitat loss
2. Pollution
3. Population growth
4. Overconsumption
5. Introduction of invasive species
6. Overhunting

- ❖ Name a migratory bird that migrates to India from Siberia during winters.
  Answer : Siberian Crane

❖ Creative Corner (Activity 4)
  Design a poster depicting "Recycle Paper to Save Environment"

Social Science

Topic: Land, Soil, Water & Natural Vegetation

A) Read the passage given below carefully and answer the following questions.

i) 'Soil is the basis of all life on the Earth.' Justify the statement.
Answer: Soil is an important and prime resource as we obtain everything directly and indirectly from it. It is indispensable as it provides the medium for plant growth. We get primary food products such as grains, vegetables and fruits.

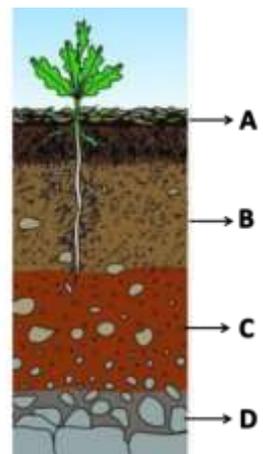**ii)** Suggest any four techniques which can help in soil conservation.
Answer: The four techniques of soil conservation are as follows-
• Afforestation – It is the most effective means of conserving soil. It aims to increase the area under forest cover.
• Contour ploughing- In this method, crops are grown across the slope and along the contours of the land. It checks the flow of water.
• Crop Rotation- means the cultivation of different crops on the same piece of land each year during different times. This method conserves the nutrients of the soil in a natural way.
• Build dams – Dams should be built to check the speed of flowing water. This would control floods and check soil erosion.

iii) Draw and identify the different layers of the soil profile and write the characteristics of each layer.
Answer: Soil profile refers to the layers of soil which are called Horizons.

• Horizon A – It contains soluble minerals and organic material (humus) from decayed plants and animals. These are needed for the growth of plants. Leaching of soil is common in this layer.

• Horizon B- It lies below the top soil which supports moisture. It consists of weathered rock, silts, clay and some nutrients.

• Horizon C- Beneath the subsoil, there are rock fragments. It has small pieces of rocks. The true soil develops from these rocks.

• Horizon D- Bedrock or parent rock forms the bottom most layer of the soil profile. It consists of a solid layer of unweathered rock.

B) <u>Food for thought</u>
Describe the positive impact of the lockdown period in India on the following (30 – 40 words each)
- i) Water bodies
- ii) Animals and birds
- iii) Atmosphere

Answer: Students will write their own observations.

C) When and why are the following events celebrated?
- i) Earth Day
- ii) World Water Day
- iii) World Environment Day
- iv) World Forestry Day
- v) World Animal Welfare Day

Answer:
i) **<u>Earth day</u> - April 22**
<u>Objective</u>- to demonstrate support for environmental protection.

ii) <u>World Water Day</u> - March 22
<u>Objective</u> – The day is observed to advocate for the sustainable management of fresh water resources.

iii)<u>Environment Day</u> - June 5
<u>Objective</u>- to encourage worldwide awareness and action to protect our environment

iv) <u>World Forestry Day</u> – March 21
<u>Objective</u>- To celebrate and raise awareness of the importance of all types of forests for the benefit of current and future generations.

v) <u>World Animal Welfare Day</u> – October 4
<u>Objective</u>- It is an international day of action to raise awareness about improving the welfare standards of the animals around the world.

D) Let's explore your creative side!
Students will draw a beautiful poster highlighting the importance of water resource or conservation of water.