Class- VIII

ENGLISH

1 Walking is now observed.
   a) a key to fitness for people of all ages.
   b) suitable for them who suffer from obesity.
   c) good exercise for them who have muscle and joints problem.
   In the light of above statements, share your opinion/view points.
   Walking is a natural habit which one learns from an early age, its an insurance against major health problems because
   a) it is recommended as the first step towards weight reduction.
   b) it is a boon, requires less efforts.
   c) an hour's regular walk for three miles daily burns the calories.
   Explain why you agree to option (a) or (b) or (c) ?

2 **Speaking Skills**
   You are Diya/Dev, wants to speak on 'Value of Time'. Prepare a speech in about 80 words.

3 **Problem Solving**
   You have a group project due in two weeks, but one of your team members isn't contributing . How would you approach this situation ? Suggest any five ways.

4 **Public Speaking**
   Read an article on "Need to Develop Values Among the Students." Prepare a speech in about 50 words and prepare a video for 1.5 minutes.

   Note the following words and their simplified pronounciation. Then find simplified pronounciation for given words.

Work	Simplified pronounciation
Desert	dez-ert
Veneer	vuh-neer
Almond	am-uhnd
Canal	Kuh-nal

   Now give answer for the given words.
   Constable, Italy, Dessert, Monotony, Archipelago, Precious, Vacancy, Preface, Agony, Monopoly, Sword, Rapport

5 **Cinema time (Critical thinking)**
   Using coloured paper draw following pictures inside the bubble.
   a) I'am a green house. Inside me is a white house.
      Inside my white house is a red house and in my red house are my babies. What am I ?
   b) I met a creature on the road;
      On it's back it had a load.
      It wasn't an ass and it wasn't a cow,
      Though two horns grew on its brow.

   c) I have a long body. My teeth are sharp. I can swim. I am a ………………………..

   d) We are twins, we are close together. But we will not touch, but far apart, we become one. What are we ?

   e) I have no feet, no hands, no wings, but I climb to the sky. What am I ?

   f) I grow on trees.
      You have to peel me to eat me.
      I am often turned into juice.
      My name is also a colour.

      Never give up.
      "Positivity and determination can lead to success even in the face of challenges."
      Once upon a time, in a bustling city, there lived a young girl named Maya. Maya was always optimistic and looked at life with a positive attitude. One day, her teacher gave the class a challenging assignment that seemed impossible to complete. While many of her classmates grumbled and complained, Maya saw it as an opportunity to learn and grow.
      Despite facing obstacles and setbacks, Maya preserved with a smile on her face. She worked diligently, sought help when needed, and never gave up.
      In the end, Maya not only completed the assignment but also exceeded everyone's expectations.
      Life Skills: Critical thinking, overcoming obstacles, Never give up, face challenges with positivity.

Values: Positivity, optimistic, Determination, Perserverance, Resilience, hardwork
Attitudes: Optimism, importance of maintaining positive attitude even when things get tough.
Make a film by illustrating different stages of story using colours then questions to be answered after the film.
- How did Maya's attitude towards challenges differ from her classmates ?
- What role did perserverance play in Maya's success ?
- What can we learn from Maya's story about the power of positivity ?
- How can we apply Maya's attitude and approach to challenges in our own lives ?

6   Mention five things that we can learn from these creatures such as ant, cricket and camel. Give reasons for choosing them.

MATHEMATICS
1   **Sports Scores**
Your school held an inter-school sports event. During a particular match, the scores of two teams were recorded at different intervals, and the data was given in fractional form.
At the end of the first quarter, Team A had scored 3/7 points and Team B had scored 2/5. Which team scored more points by the end of the first quarter?
In the second quarter, Team A scored an additional ¾ points, while Team B scored 2/3.
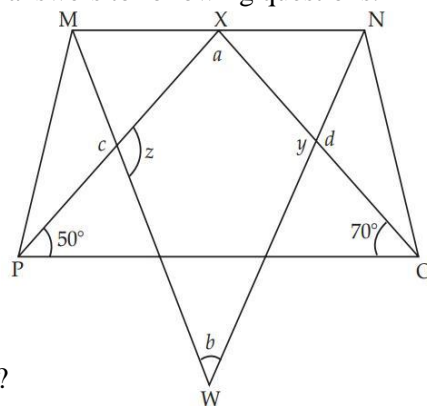a) What is the total score for each team after the second quarter ?
b) If Team B's score doubles in the final quarter, what will be its final score ?
c) Given the scores at the end of the match, calculate the point difference between the two teams.

2   There is a trapezium MNOP, angle bisector of ∠M and ∠N meet at point W, and angle bisector of ∠O and ∠P meet at point X on side MN of trapezium MNOP.
By using the figure give the answers to following questions:

i)   What is the value of a ?
        a) 80°   b) 60°   c) 90°   d) 70°
ii)   What is the value of d ?
        a) 70°   b) 60°   c) 80°   d) 90°
iii)   What is the value of c ?
        a) 90°   b) 70°   c) 50°   d) 80°
iv)   What type of triangle is POX ?

3   A lady went shopping and spent half of what she had on buying hankies and gave a rupee to a beggar waiting outside the shop. She spent half of what was left on a lunch and followed that up with a two rupee tip. She spent half of the remaining amount on a book and three rupees on bus fare. When she reached home, she found that she had exactly one rupee left. With the help of above information give the answer of following questions
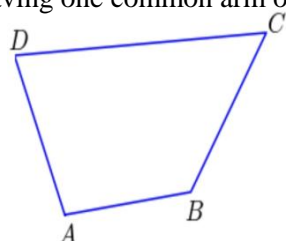a)   Write a expression for left money after giving money to a beggar.
b)   Write a equation for final money she had.
c)   Write difference between expression and equation.
d)   How much money did she start with ?

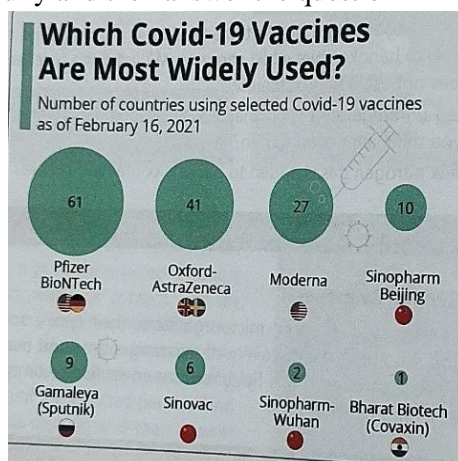4   QUADRILATERAL - In a quadrilateral there are four sides. All the sides may have same or different length. Vertices are the angular points where two sides or edges meet. The inclination between two sides of a quadrilateral is called angle. The lines joining two opposite vertices is called the diagonals in a quadrilateral.Angles having one common arm onto the sides is called the adjacent angles. ABCD is given quadrilateral.

a) Write all the sides.   b) Write vertices   c) Write diagonals

d) Write all interior angles   e) Write adjacent angles

5   Verify associativity of addition and multiplication of rational numbers i.e., (x + y) + z = x + (y + z),

(a*b)*c=a*(b*c) when:

x = ½, y = 2/3, z = -1/5

SCIENCE

1   Define the following terms :

a) Threshing   b) Pasteurisation   c) Fossil   d) Exhaustible resources

2   As a part of eco-club activity students were asked to raise a Kitchen garden in the school premises. They were provided with some materials given in the box .List the other materials you would require. How will you plan the garden? Write the steps.

(Khurpi, water-can, spade, shovel)

CASE STUDY

3   The Material X is a fossil Fuel. It is formed From the buried large land plants (Vegetation) by a very slow process Y .When X is heated in the absence of air, it gives three products A, B & C. A is used in steel making B is used as an industrial fuel, whereas the Product C has been traditionally used for metalling the roads. It is now replaced by a petroleum product, bitumen

Now give the answer of the following question

i)   What is the material X ?

ii)   What is the physical state and colour of X ?

iii) Name the process Y.

iv)   What are the products A, B & C ?

4   With the recent pendemic in years 2020–21, researchers all over the world have been engaged in finding a solution to fight the coronavirus . In response a variety of vaccines has been developed worldwide with different composition. The given picture gives an account of the number of countries that are using different vaccines . The picture shows the number of countries and the flag(s) of the country / countries in which particular vaccine was manufactured. Observe it carefully and then answer the question

i)   What is a vaccine ?

ii)   Name the vaccine that used in most countries.

iii) Name the vaccine that is being used in India only.

iv)   Name the vaccine that is being manufactured in Russia.

v)   Find out the composition of Bharat Biotech's Covaxin.

5   **Assertion – Reason**

i) Assertion (A) :   We get different constituents such as petrol , diesel kerosene etc. from petroleum.

Reason (R)   :   The process of separating the various useful constituents (fractions) of petroleum is known as refining .

ii) Assertion (A) :   Pasteurised milk cannot be consumed without boiling.

Reason (R)   :   Pasteurised milk is free from microorganisms.

6   Differentiate between fertilisers and manure.

7   **Real life analysis**

Aditi's mother added yeast cells to maida to make bhatura. She left the dough for an hour and found that it is raised to considerable size

i) Why did she add yeast cells into the dough ?

ii) Why did the dough rises in size ?

iii) Which other dishes can be made by following the same method ?

8   **AIL**

Farmer do very hard work for 3–4 months to grow a crop and then comes time for harvesting . The sight of golden crop standing full with grains fills joy and happiness in farmers community. This occasion and happiness is associated by celebrating some harvest festivals.

i) Find out the names of some harvest festivals.

ii) Which harvest festival is celebrated in your state ?

iii) How do you celebrate it ?

iv) Draw ascene of that festival in an A4 sheet.

9   **Complete the given table**

Diseases	Type of Pathogen	Mode of transmission
a) Cholera		
b) Malaria		
c) Dengue		
d) Polio		
e) Typhoid		
f) Citrus canker		
g) Wheat leaf rust		

SOCIAL SCIENCE

1   Define the following-
  a) Topography   b) Human Trafficking   c) Resource Conservation
  d) Sustainable development   e) Republic

2   Complete the chart below:
  How will you apply the 3 R's Principle on the given items ?
  a) Old shoe box _____
  b) Old bedsheets _____
  c) Old magazines _____
  d) Old toothbrush _____
  e) Pistachio shells_____

3   Make a project about the eminent personalities of the Constituent Assembly and their work /effforts towards the making of the Indian Constitution.

4   **Life skills-**
  a) The Third Anglo -Mysore war was fought between Tipu Sultan and the British . The British in this war was supported by the Nizam of Hyderabad and the Marathas.Tipu was finally defeated in the war. Could the result of the war been any different if the Nizam and the marathas had sided with Tipu .Give any Five reasons for your answer.
  b) B. C Rao is a scientist. His house look weird. He has fitted solar panels on his rooftop. He has designed a car which runs on water. He does not use LPG for cooking instead uses solar cooker. IS he out of his mind or is he doing something right . Give reasons for your answer.

5   Draw a map of India on a chart paper and paste in a cardboard and use colourful clay mention below to show the presence of following types of soil-
  a) mountain soil with green colour
  b) desert soil with brown colour
  c) Alluvial soil with blue colour
  d) black soil with black colour
  e) red soil with red colour

   Case Based Questions-

6   **Read the passage given below and answer the following questions.**

   Source 1

   Reports to the Home Department In 1946, the Colonial Government in India was trying to put down a mutiny that broke out on the ships of the Royal Indian Navy. Here is a sample of the kind of reports the Home Department got from the different dockyards:

   Bombay Arrangements have been made for the Army to take over ships and establishment. Royal Navy ships are remaining outside the harbour.

   Karachi 301 mutineers are under arrest and a few, more strongly suspected are to be arrested. All establishments are under military guard.

Vizagapatnam The position is completely under control and no violence has occurred. Military guards have been placed on ships and establishments.

No further trouble Is expected except that a few men may refuse to work.

Director of Intelligence. HQ. India Command, Situation

Report No. 7 File No. 5/21/46 Home (Political), Government of India

Source 2

"Not fit for human consumption" Newspapers provide accounts of the movements in different parts of the country. Here is a report of a police strike in 1946.

More than 2000 policemen in Delhi refused to take their food on Thursday morning as a protest against their low salaries and the bad quality of food supplied to them from the Police Lines kitchen.

As the news spread to the other police stations, the men there also refused to take food… One of the strikers said: "The food supplied to us from the Police Lines kitchen is not fit for human consumption. Even cattle would not eat the chappattis and dal which we have to eat."

Hindustan Times, 22nd March, 1946

Look at Sources 1 and 2. Do you find any differences in the nature of reporting? Explain separately for source 1 and 2 what you observe .

7 The section on Fundamental Rights has often been referred to as the 'conscience' of the Indian Constitution Colonial rule had created a certain suspicion of the State in the minds of the nationalists and they wanted to ensure that a set of written rights would guard against the misuse of State power in independent India. Fundamental Rights, therefore, protect citizens against the arbitrary and absolute exercise of power by the State. The Constitution, thus, guarantees the rights of individuals against the State as well as against other individuals. Moreover, the various minority communities also expressed the need for the Constitution to include rights that would protect their groups. The Constitution, therefore, also guarantees the rights of minorities against the majority. As Dr. Ambedkar has said about these Fundamental Rights, their object is two-fold. The first objective is that every citizen must be in a position to claim those rights. Secondly, these rights must be binding upon every authority that has got the power to make laws.

  i) Which of the provisions of the Indian constitution acts as a guide for the moral and ethical behavior of the citizens and protects them from the tyranny of the government?

  ii) In relation to the state, what is the objective behind incorporation of Fundamental Rights into the Constitution?

  iii) Fundamental rights provides several protections to the citizens of India. These protections are provided against which of the following?

   a) Only the State
   b) Only other individuals
   c) Both the State and other individuals
   d) Only minority communities

  iv) What was the main concern of the Indian Nationalists regarding the State?

8 Study the following actions and write which fundamental right is violated.

  a) If a 13 year old child is working in a factory manufacturing carpets.
  b) If a politician in one state decides to not allow Labourers from other states to work in his state.
  c) If a group of people are not given permission to open a Telugu medium school in Kerala.
  d) If the government decides not to promote an officer of the armed forces for being a woman.
  e) A man is bullied as he belongs to a minority community.

HINDI

1   **समस्या समाधान**

आपकी छोटी बहन रिया कक्षा पाँच में पढ़ती है कुछ दिनों से उसके व्यवहार में परिवर्तन आ रहा है। वह चिढ़चिढ़ी रहने लगी है, उसे भूख नहीं लग रही है। दिन भर वह थकी–थकी सी रहती है। कई दिन विद्यालय की प्रार्थना सभा में चक्कर आने के कारण उसे घर भेज दिया जाता है।

1 बड़े भाई होने के नाते आप उससे संबंधित किन–किन पहलुओं पर विचार करेंगे। कोई चार पहलू लिखिए।

2 शरीर को स्वस्थ रखने के लिए क्या–क्या प्रयास किया जा सकता है।

3 रिया की समस्या का निदान कैसे किया जा सकता है जिससे वह स्वस्थ व प्रसन्नचित्त रहे।

2   **कथन–** परिवर्तन ही प्रकृति का नियम है ....

     कारण– क)   जो परिवर्तन के साथ सामंजस्य बैठाते है वे ही जीवन में सफलता को प्राप्त करते हैं।

     ख)   परिवर्तन से केवल वर्तमान पीढ़ी प्रभावित होती है।

     ग) सुखी जीवन जीने के लिए यह स्वीकार करना जरुरी है परिवर्तन प्रकृति का नियम है। हमें इसे स्वीकार करते हुए जीवन में आगे बढ़ना चाहिए।

     आपके विचार से कौन–सा कथन सही है और क्यों लिखिए।

     A क   B ख   C ग   D क और ग दोनों

3   क)   रंग–बिरंगे पेपर की सहायता से मेरी आकृति का निर्माण करो।

     ख)   मेरा प्रयोग किस त्योहार में किया जाता है लिखिए।

     ग)   त्यौहार हमारे जीवन में क्यों आवश्यक है ?

मैं ....
   * चारों दिशाओं से बनती हूँ।
    ऊँचे आसमान में उड़ती हूँ।
    बच्चों के मन को लुभाती हूँ।
    त्योहार तुम्हारे संग मनाती हूँ

4 ''अकसर कहा जाता है कि भारत अंतर्विरोधों का देश है'' आपके विचार से भारत में किस–किस तरह के अंतर्विरोध है।
संकेत– अमीरी, गरीबी, आधुनिकता–मध्ययुगीनता सुविधा संपन्न सुविधा विहन
चित्रों की सहायता से तुलनात्मक अध्ययन कीजिए।

5 **परिचय–** आप एक प्रसिद्ध विद्यालय के पास हुए छात्र रोहन है। आप बहुत ही मध्यम वर्गीय परिवार से हैं। आपके जीवन पर आपके स्कूल प्रबंधक का बहुत बड़ा प्रभाव पड़ा है। उनक सहयोग व मागदर्शन के कारण आज आप इसरों में एक वैज्ञानिक के पद पर कार्यरत हैं। आपके विभाग द्वारा सम्मान के तौर पर एक कार्यक्रम का आयोजन किया जा रहा है। आप अपनी इस सफलता का श्रेय अपने प्रबंधक को देते हैं और उनके प्रति अपनी कृतज्ञता जताना चाहते हैं। आप इस कार्यक्रम में उन्हें आमंत्रित करते हैं। आप उनका परिचय किस प्रकार कराएंगे।

6 **विचार अभिव्यक्ति**
आप कक्षा 8 की छात्रा निमिता है। आप प्रकृति प्रेमी है आप पर्यावरण के लिए खतरा बन रहे ई–कचरा के बारे में लोगों का जागरुक करना चाहते हैं। ई–कचरा विषय पर भाषण तैयारी कीजिए।
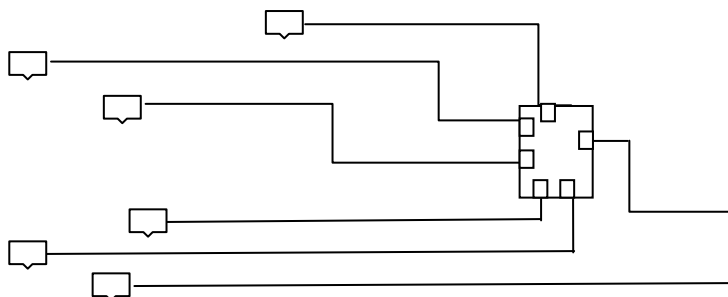
7 **समस्या समाधान**
आप की कक्षा में एक छात्रा आई है। जो हमेशा खोई–खोई सी रहती है। पढ़ाई में उसका ध्यान नहीं रहता। वह अपना काम भी समय पर नहीं करती। वह कक्षा के बच्चों से घुल–मिल भी नहीं पा रही है। आपने उससे दोस्ती करने की कोशिश परंतु वह चुपचाप सी रहती है, कुछ बताती नहीं बहुत कोशिश करने के बाद आपको पता चला कि उसकी माँ लंबे समय से बीमार थी और कुछ दिन पहले ही उनकी मृत्यु हो गई।
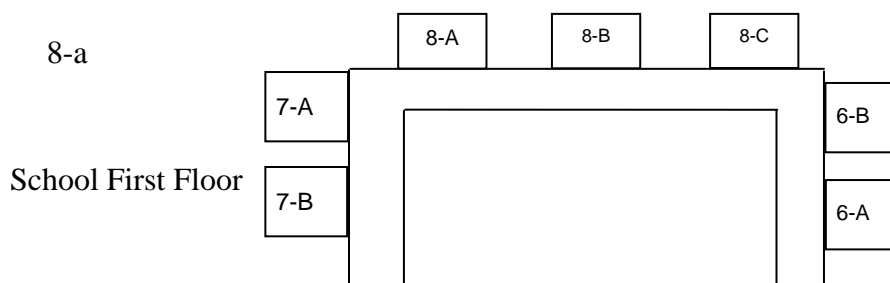1 आप उसकी सहेली होने के नाते उसकी क्या मदद कर सकती है ?
2 माता–पिता का जीवन में क्या महत्व है ? आप अपने माता–पिता की खुशी के लिए क्या कर सकते हैं ?
3 यदि आप उस बच्ची की अध्यापिका होती तो उसके लिए क्या करती ?

COMPUTER
1 Differentiate between LAN and WAN based on the area covered and the technology used.
2 Identify the topology used in the given diagram-

3 Define Ring Topolgy with its advantages and disadvantages.
4 What is the importance of a network in sharing resources and security?
5 Write full form- WLAN,   MAN,   P2P Net.,   CAN,   MODEM,   ISP
6 Consider your class and floor as-

a) To install camera in wired medium from class 6-A to 7-A, consider Bus topology and show installation diagram.
b) If class 8-B is having P.A system control and from here rest of 6 class rooms need to install speakers and mic system. Then show any 2 topology with logical diagram to accomplish this task.

7 Mr. Bean wants to store the data of his shop in a software system. Suggest him some DBMS softwares. What do you mean by Database and DBMS.
8 Define the terms- Table, Form, Report, Query, Records, Fields.