WORKSHEET

CLASS- 9

(NOVEMBER)

ENGLISH LANGUAGE AND LITERATURE

Q-1. Read the following passages and answer the questions:

1. The only woman in the world who has scaled Mt Everest twice was born in a society where the birth of a son was regarded as a blessing, and a daughter, though not considered a curse, was not generally welcome. When her mother was expecting Santosh, a travelling 'holy man', giving her his blessing, assumed that she wanted a son. But, to everyone's surprise, the unborn child's grandmother, who was standing close by, told him that they did not want a son. The 'holy man' was also surprised! Nevertheless, he gave the requested blessing ... and as destiny would have it, the blessing seemed to work.
 a. What are the records that Santosh has made while scaling the Mt. Everest.
b. In which society was Santosh born?
c. Why was the holy man surprised?
d. What was the requested blessing that worked?

Q-2. Read the extracts and answer the questions that follow.

Away, away in the Northland,

Where the hours of the day are few,

And the nights are so long in winter

That they cannot sleep them through

1: Which country is the poet talking about?

2: What does the poet mean by, "Where the hours of the day are few"?

3: How long are the nights in the Northland in winter?

4: How do you think people would pass such long nights?

Q-3. Write a diary entry in 100 – 150 words expressing the worst day in your life.

Q-4. Answer the following questions in 100-120 words each.

a. Kezia in the story "The Little Girl" was afraid of her father because he never communicated with her. Imagine you are parenting counselor, based on your reading of the story write a paragraph advising the parents to make communication with their children priority.
b. Bismillah Khan, on receiving the Bharat Ratna, remarked, "Teach your children music, this is Hindustan's richest tradition; even the West is now coming to learn our music." What does it reveal about his sentiments towards India?
c. Imagining yourself as Margie write a diary entry stating how happy you would have been to study in the old kind of school. Your diary entry should be date 20th April, 2157. (100 – 150 words)

हिंदी

अग्निपथ

1. घने वृक्ष और एक पत्र-छाँह का क्या अर्थ है? अग्निपथ कविता के अनुसार लिखिए।
2. चल रहा मनुष्य है। अश्रु-स्वेद-रक्त से लथपथ, लथपथ, पथपथ। पंक्ति का भाव स्पष्ट कीजिए।
3. **अश्रु-स्वेद-रक्त से लथपथ** से क्या आशय है? अग्निपथ कविता के आधार पर लिखिए।
4. कवि मनुष्य से क्या अपेक्षा करता है? अग्नि पथ कविता के आधार पर लिखिए।
5. अग्निपथ कविता का केन्द्रीय भाव लिखिए।
6. अग्निपथ में क्या नहीं माँगना चाहिए?
7. अग्निपथ कविता के आधार पर लिखिए कि क्या घने वृक्ष भी हमारे मार्ग की बाधा बन सकते हैं?
8. कवि हरिवंश राय बच्चन ने मनुष्य से किस बात की शपथ लेने का आग्रह किया है और क्यों?

वैज्ञानिक चेतना के वाहक: चन्द्र शेखर वेंकट रामन्

1. रामन् के आरंभिक शोधकार्य को लेखक ने आधुनिक हठयोग का उदाहरण क्यों कहा है?
2. देश को वैज्ञानिक दृष्टि तथा चिंतन प्रदान करने में रामन् का क्या योगदान है ?
3. यदि वैज्ञानिक विकास न हुआ होता तो हमारे देश की क्या स्थिति होती ?
4. "उनके लिए सरकारी सुविधाओं से सरस्वती की साधना ही अधिक महत्त्वपूर्ण थी । " स्पष्ट कीजिए-

कल्लू कुम्हार की उनाकोटी

1. त्रिपुरा की भौगोलिक स्थिति के बारे में बताइए ।
2. लेखक के त्रिपुरा जाने का उद्देश्य क्या था ?
3. त्रिपुरा के आदिवासियों के असंतोष का मुख्य कारण क्या था ?
4. लेखक ने अगरतला के विषय में क्या कहा है ?
5. त्रिपुरा में संगीत की जड़ें काफ़ी गहरी हैं। कैसे ?

विराम-चिह्न

I. **निम्नलिखित वाक्यों में उचित विराम-चिह्न का प्रयोग करते हुए दोबारा लिखिए**
1. हिंदी कविता की सुंदर पंक्ति है जिसके कारण धूलि भरे हीरे कहलाए
2. नीचे को धूरि समान वेद वाक्य नहीं है
3. धूल धूलि धूली धूरि आदि व्यंजनाएँ अलग अलग हैं
4. एक आदमी ने घृणा से कहा क्या ज़माना है जवान लड़के को मरे पूरा दिन नहीं बीता और यह बेहया दुकान लगा के बैठी है
5. दूसरे साहब कह रहे थे जैसी नीयत होती है अल्ला भी वैसी ही बरकत देता है
6. कल जिसका बेटा चल बसा आज वह बाज़ार में सौदा बेचने चली है हाय रे पत्थर-दिल
7. उन्होंने अपना हाथ मेरे कंधे पर रखते हुए कहा तुम एक पक्की पर्वतीय लड़की लगती हो तुम्हें तो शिखर पर पहले ही प्रयास में पहुँच जाना चाहिए
8. हमारे नेता कर्नल खुल्लर के शब्दों में यह इतनी ऊँचाई पर सुरक्षा कार्य का एक ज़बरदस्त साहसिक कार्य था
9. कर्नल खुल्लर मेरी ओर मुड़कर कहने लगे क्या तुम भयभीत थीं
10. नहीं मैंने बिना किसी हिचकिचाहट के उत्तर दिया
11. तुमने इतनी बड़ी जोखिम क्यों ली बचेद्री
12. साउथ कोल पृथ्वी पर बहुत अधिक कठोर जगह के नाम से प्रसिद्ध है

13. कर्नल खुल्लर ने बधाई देते हुए कहा मैं तुम्हारी इस अनूठी उपलब्धि के लिए तुम्हारे माता-पिता को बधाई देना चाहुँगा
14. तीसरे दिन की सुबह तुमने मुझे कहा मैं धोबी को कपड़े देना चाहता हूँ
15. चलो चलते हैं मैंने कहा ।

अर्थ के आधार पर वाक्य के भेद

अर्थ के आधार पर निम्नलिखित वाक्यों के भेद लिखिए-
   (i) सुबह होते ही फूल खिलने लगे। (विस्मयवाचक)

(iv) ताकतवर होते हुए भी वह हार गया। (प्रश्नवाचक)

(v) हरिद्वार जाकर मैं गंगास्नान नहीं करूँगा। (विधानवाचक)

(vi) चिड़ियाँ यहाँ आकर दाना चुगती हैं। (इच्छावाचक वाक्य)

(vii) प्रांजल स्वस्थ होने के साथ धनी भी है। (निषेधवाचक वाक्य)

(viii) वह अपने माता-पिता की सेवा करता है। (इच्छावाचक वाक्य)

(ix) संपन्न होने के कारण वह अधिक खर्च करता है। (निषेधवाचक वाक्य)

(x) काश! इस पुस्तक को ध्यानपूर्वक पढ़ते। (आज्ञावाचक वाक्य)

(xi) सुंदर दृश्य है। (विस्मयवाचक वाक्य)

(xii) उसने बाज़ार जाकर जूते नहीं खरीदे। (विधानवाचक वाक्य)

(xiii) खेमू बरतन साफ़ करता है। (आज्ञावाचक वाक्य)

(xiv) हम घूमने जाते हैं। (इच्छावाचक वाक्य)

(xv) सुबह की पहली बस पकड़ने से ही समय पर पहुँचोगे। (संकेतवाचक वाक्य)
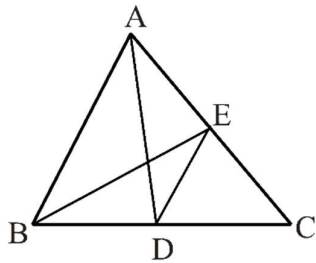
पत्र लेखन

छात्रावास में मिलने वाले भोजन और वहाँ की अन्य सुविधाओं के बारे में पत्र लिखकर अपनी माता को बताइए कि वे चिंताग्रस्त न हों।

संवाद लेखन

रेलवे स्टेशन पर टिकट विक्रेता और यात्री के मध्य संवाद का लेखन कीजिए।

MATHEMATICS

1. In which of the following the diagonals are equal?
 a. Parallelogram b. Rhombus c. Rectangle d. trapezium
2. In a parallelogram ABCD, if ∠DAB = 75° and ∠DBC = 60°, then ∠BDC is –
a. 75° b. 60° c. 45° d. 55°
3. A quadrilateral will be a parallelogram if and only if its diagonals _____ each other.
4. The angles of a quadrilateral are 75°, 90° and 75°. Then fourth angle is _____.
5Two consecutive angles of parallelogram are in the ratio 2:3. Find the smaller angle.
6. If ABCD is rectangle with ∠BAC = 32°, find the measure of ∠DBC.
7. The diagonal of a rectangle ABCD intersect at the point O. If ∠BOC = 50°, then find ∠OAD.
8. In the given figure, AD is the median and DE II AB, Prove that BE is the median.

9. E and F are points on diagonal AC of a parallelogram ABCD such that AE =CF. Show that BFDE is a parallelogram.
10. Show that the line segment joining the mid-points of the opposite sides of a quadrilateral bisect each other.

SCIENCE

Q1. Two astronauts are floating close to each other in space. Can they talk to each other without using any special device? Give reasons.

Q2. Mention some methods to reduce reverberation.

Q3. How is culture of Pomphret and Mackeral different from that of Catla and Rohu?

Q4. Excess use of fertilisers detrimental for the environment. Justify the statement.

Q5. An Italian bee variety A. mellifera has been introduced in India for honey production. Write about its merits over other varieties.

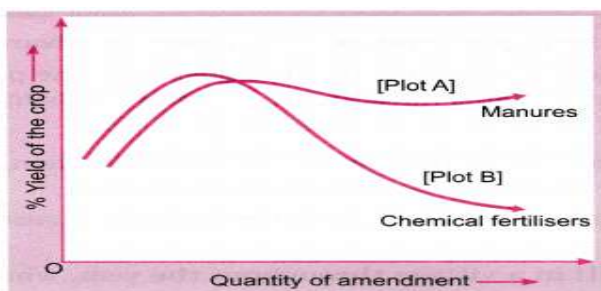Q6. What are the important precautions that should be taken in poultry farming?

Q 7. Figure shows the two crop fields [plots A and B] have been treated by manures and chemical fertilisers respectively, keeping other environmental factors same.

Observe the graph and answer the following questions.

(i) Why does plot B show sudden increase and then gradual decrease in yield?

(ii) Why is the highest peak in plot A graph slightly delayed?

(iii) What is the reason for the different pattern of the two graphs?

Q6. Name the element those are represented by the symbol Na and P.

Q7. Write the electronic configuration of Magnesium and Calcium.

Q8. Write the chemical formula of Copper oxide and Aluminium hydroxide.

SOCIAL SCIENCE

Q1. What does Census means?

Q2. What is the highest and lowest density of India?

Q3. What could be the reason of uneven distribution of population in India?

Q4. What does the National Population Policy indicates?

Q5. How does social inability to buy food also play a critical role in food insecurity?

Q6. Explain the impact of the Green Revolution.

Q7. What has our government done to provide food security to the poor? Discuss two schemes launched by the government.

Q8. Explain Buffer Stock and activities related to the creation of Buffer Stock.

Q9. What is the rationing system?

Q10. What has our government done to provide food security to the poor? Discuss any two schemes launched by the government?

Q11.Explain the position of the Prime Minister in the Government of India? What are his/her powers and functions?

Q12. Distinguish between political and permanent executive.

Q13.Differentiate between the Presidential System and the Parliamentary System of Government.

Q14. "Today the Indian judiciary is one of the most powerful judiciary in the world.'' Justify this statement with reasonable arguments.

Q15. What were the restrictions imposed on the Pastoralists under the colonial rule in India?

Q16. What do you understand by Waste Land Rule?

Q17. How did Forest Act affect the lives of Nomadic Pastoralists of India in the 19th century?

Q18. Mention any one reason for the transformation of grazing land into cultivable farm under colonial rule in India.

Q19. Nomadic Pastoralists were not trusted by the British official. Mention any one reason to support the statement.

Q20. Mention any one way through which pastoralist community tried to cope with the changes brought by the colonial state in India.

Information technology

Multiple Choice Questions

1. 1. Who is an entrepreneur?
    a) A person who starts and runs a business
    b) A person who invests in stocks and shares
    c) A person who works for a salary
    d) A person who is self-employed

    2. What is the main goal of an entrepreneur?
    a) To make a profit
    b) To create jobs
    c) To provide goods and services
    d) All of the above

    3. What is innovation in entrepreneurship?
    a) Introducing new products or services
    b) Improving existing products or services
    c) Both a and b
    d) Neither a nor b

    4. What is risk management in entrepreneurship?
    a) Identifying and minimizing risks
    b) Ignoring risks and focusing on profits
    c) Taking unnecessary risks to achieve success
    d) Avoiding risks altogether

    5. What is the importance of marketing in entrepreneurship?
    a) To create awareness about the product or service
    b) To attract customers and increase sales
    c) To differentiate the product or service from competitors
    d) All of the above

Short Answer Questions

2. What are the key characteristics of a successful entrepreneur?

3. What are the different types of entrepreneurs? Provide examples.

4. What is the role of entrepreneurship in economic development?

5. What are the challenges faced by entrepreneurs in starting and running a business?

6. How can entrepreneurs mitigate risks and ensure success?

Case Study

7. Read the following case study and answer the questions:

    Sakshi, a 25-year-old entrepreneur, started a small bakery in her hometown. She invested ₹50,000 of her own savings and borrowed ₹2 lakhs from her family. Sakshi's bakery quickly gained popularity due to her unique recipes and excellent customer service. Within a year, her sales increased by 50%, and she was able to repay her loan. Sakshi plans to expand her bakery and open a new outlet in the nearby city

a. What are the key factors that contributed to Sakshi's success?

b. What are the risks that Sakshi may face in expanding her business?

3. How can Sakshi mitigate these risks and ensure the success of her new outlet?c

ARTIFICIAL INTELLIGENCE

1. Which of the following is NOT a key component of data literacy?
   a) Data collection
   b) Data analysis
   c) Data visualization
   d) Data programming
2. What type of data is best represented by a bar chart?
   a) Continuous numerical data
   b) Categorical data
   c) Time series data
   d) All of the above
3. Which ethical consideration is important when working with personal data?
   a) Data privacy
   b) Data security
   c) Data bias
   d) All of the above
4. What is the first step in the data analysis process?
   a) Data cleaning
   b) Data exploration
   c) Data visualization
   d) Data modeling
5. Which of the following is NOT a common data visualization tool?
   a) Excel
   b) Tableau
   c) Power BI
   d) SPSS

Short Questions:

i. What is the difference between structured and unstructured data?
ii. Explain the concept of data bias and how it can impact analysis.
iii. What are some common data quality issues that need to be addressed before analysis?
iv. Describe the importance of data storytelling in data visualization.
v. How can data literacy help individuals and organizations make better decisions?