



DELHI PUBLIC SCHOOL VISAKHAPATNAM
REVISION ASSIGNMENT
September 2022-23
Class: IX



Subject: ENGLISH

1. Read the following passage carefully and complete the following sentences :-

When we are suddenly confronted with any terrible danger, the change of nature we undergo is equally great. In some cases fear paralyses us. Like animals we stand still, powerless to move a step in fright or to lift a hand in defence of our lives, and sometimes we are seized with panic, and again, act more like the inferior animals than rational beings. On the other hand, frequently in cases of sudden extreme peril, which cannot be escaped by flight, and must be instantly faced, even the most timid men at once as if by miracle, become possessed of the necessary courage, sharp quick apprehension, and swift decision. This is a miracle very common in nature. Man and the inferior animals alike, when confronted with almost certain death 'gather resolution from despair' but there can really be no trace of so debilitating a feeling in the person fighting, or prepared to fight for dear life. At such time the mind is clearer than it has ever been; the nerves are steel, there is nothing felt but a wonderful strength and daring. Looking back at certain perilous moments in my own life, I remember them with a kind of joy, not that there was any joyful excitement then; but because they brought me a new experience - a new nature, as it were and lifted me for a time above himself.

1. When we face any danger, our reaction to this danger is _____ .
2. In one reaction to the danger, the person becomes _____ and _____ .
3. In the other response to danger, people become _____ and _____ .
4. One becomes more energetic than usual when _____ .
5. A word in the passage which means the same as "deal with a difficult situation"

2. Fill up by choosing the right option-

Liberty is not a (a) _____ affair only but a (b) _____ contract. It is an (c) _____ of interests. In matters which do not touch others liberty, I will be (d) _____ free and won't (e) _____ anyone's (f) _____ .

- a. i) personally ii) person iii) personal iv) personality
- b. i) social ii) socially iii) society iv) socialise
- c. i) adjustable ii) adjustment iii) adjusted iv) adjust
- d. i) completion ii) complete iii) completely iv) completed
- e. i) requirement ii) requires iii) required iv) require
- f. i) permissible ii) permission iii) permitted iv) permit

3. Rearrange to make meaningful sentences-

- a) place / our lives / music / important / has / in / an.
- b) body and / activates / our / it / mind.
- c) a / is / art / also / regarded / as / fine / it

4. You are going on a school picnic with your classmates and teachers. You are very excited. The night before the trip you sit down to write your diary. Describe what you have planned for the picnic and how you hope to enjoy yourself there. Write your diary in 100-150 words.

5. You love your father very much, for he is an ideal father. Describe him in your own words in 100-150 words.

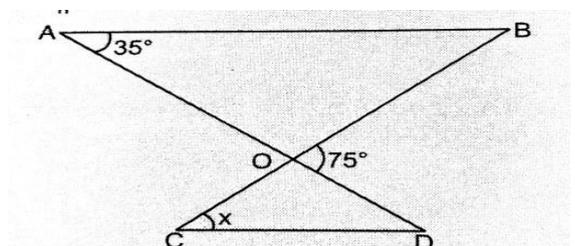
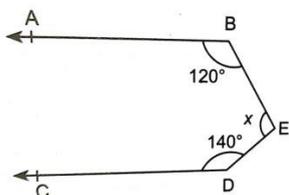
6. Answer the following-

- i) Why did Einstein want to go to Switzerland for further studies?
- ii) Why do you think Kezia stammered in her father's presence?
- iii) What are the various places and causes for which Evelyn performed?

- iv) 'And surely such a woman was enough to provoke a saint.' Who was the woman and how did she provoke the saint?
- v) What did Iswaran tell his master about the night of the full moon?
- vi) On what condition did the guru agree to be the king?
- vii) What are the things that attract the child's attention on his way to the fair?
- viii) What thoughts appear in the mind of the poet when it rains?

Subject: MATHEMATICS

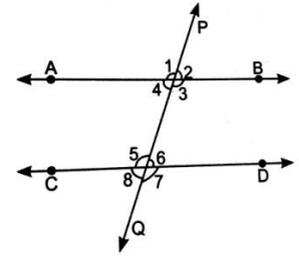
- Find four rational numbers between $\frac{3}{5}$ and $\frac{4}{5}$.
- Represent $\sqrt{7}$ on number line.
- Find three irrational numbers between 3 and 4.
- Express the following in the form of $\frac{p}{q}$.
 - $1.\overline{32}$
 - $0.4\overline{7}$
 - $23.\overline{43}$
- Find a, b if $\frac{5+2\sqrt{3}}{7+4\sqrt{3}} = a + b\sqrt{3}$.
- Simply $\frac{3\sqrt{2}}{\sqrt{3}+\sqrt{6}} - \frac{4\sqrt{3}}{\sqrt{6}+\sqrt{2}} + \frac{\sqrt{6}}{\sqrt{2}+\sqrt{3}}$
- Rationalize the denominator of $\frac{4}{2+\sqrt{3}+\sqrt{7}}$.
- Find $\frac{1}{2+\sqrt{3}} + \frac{2}{\sqrt{5}-\sqrt{3}} + \frac{1}{2-\sqrt{5}}$.
- Represent $4.\overline{26}$ on number line up to 4 decimal places.
- If $x = 4 - \sqrt{15}$, then find $\left(x + \frac{1}{x}\right)^2 - \left(x - \frac{1}{x}\right)^2$.
- Simplify $13\sqrt[5]{32} - 7\sqrt[4]{625} + \sqrt[3]{729}$.
- If $x = 0.064$ then find the value of $\left(\frac{1}{x}\right)^{\frac{1}{3}}$.
- If (p, -4) lies on $2x + y = 8$ then find the value of p.
- Find the coordinates of the point where the line $2x - 3y = 6$ meets y- axis.
- If $x = 2k - 2$ and $y = k + 1$ is a solution of $2x - y = 4$ then find the value of k.
- Find any four solutions of the equation $2x - y = 4$.
- Give the equations of any three lines passing through (2,14). How many more such solutions are there why?
- Draw the graph of the linear equation whose solutions are represented by the points having the sum of the coordinates as 10 units.
- Draw the graph of linear equation $2x + 3y - 6 = 0$.
- Find the coordinates of the points at which the graph of linear equation $3x - 5y + 30 = 0$ cuts the x - axis and y - axis.
- Prove that in a triangle the sum of all the interior angles is 180° .
- Two supplementary angles are differ by 23° find them.
- If the ratio between two complimentary angles is 2:3 find them.
- If $(3x - 15)^\circ$, and $(x + 5)^\circ$ are complementary angles, find the angles.
- In the given figure, $AB \parallel CD$. Find the value of x.



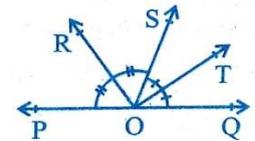
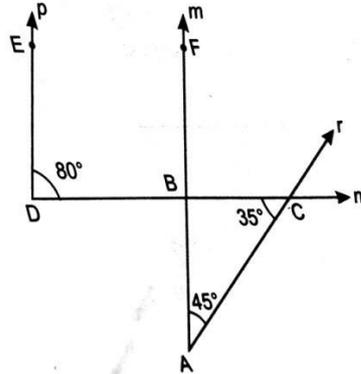
27. In the given figure find the value of x if $AB \parallel CD$.

28. An angle is 30° more than one-half of its complement. Find the angle in degrees.

29. In the given figure, If AB is parallel to CD, $\angle 2 = 120^\circ + x$ and $\angle 6 = 6x$. Find the measure of $\angle 2$ and $\angle 6$.



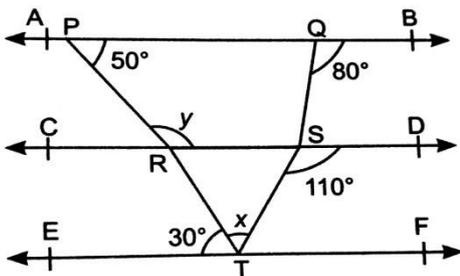
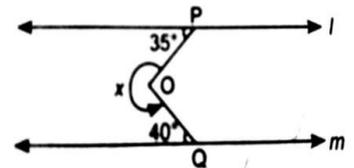
30. In the given figure, prove that $p \parallel m$.



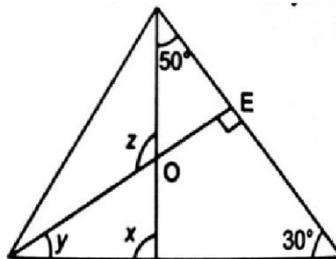
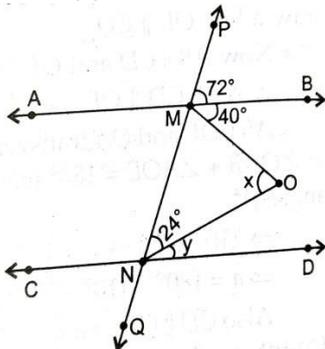
31. In the given figure ray OS stands on a line POQ. Ray OR and ray OT are angle bisector of $\angle POS$ and $\angle SOQ$, respectively. If $\angle POS = x$, find $\angle ROT$.

32. In the given figure, $l \parallel m$, find the value of x .

33. In the given figure, $AB \parallel CD \parallel EF$. Find the value of $(y + x) : (y - x)$



34. In the $AB \parallel CD$ and PQ is a transversal, find the value of x and y .



35. Find the values of x , y and z in the above figure.

36. Find the area of triangle whose sides are 225, 375 and 300 units.

37. Using Hero's formula find the area of equilateral triangle whose side is 10 cm. each.

38. Find the Mean and Median of the following Data

10, 12, 7, 22, 5, 17, 19, 25, 32, 43, 30, 16.

Subject: SCIENCE

1. (a) Under which category of mixtures will you classify alloys and why?

(b) A solution is always a liquid. Comment

(c) Can a solution be heterogeneous?

2. Classify each of the following, as a physical or chemical change. Give reasons.

(a) Drying of shirt in the sun

- (b) Rising of hot air over a radiator
 - (c) Burning of kerosene in a a lantern
 - (d) Change in the colour of black tea on adding lemon juice to it.
3. Animal of colder region and fishes of cold water have thicker layer of subcutaneous fat. Describe why?
 4. Which structure protects the plant body against the invasion of parasites?
 5. Why is epidermis important for plants?
 6. List out some useful traits in improved crop?
 7. If there is low rainfall in a village throughout the year, what measures will you suggest to the farmers for better cropping?
 8. Cultivation practices and crop yield related to environmental condition. Explain.
 9. (a) An athlete is moving along a circular path with constant speed. Is the motion uniform or accelerated? Give reasons.
(b) A body projected vertically upwards returns to the point of projection after a few seconds. Draw a displacement-time graph for the motion of the body. And draw an acceleration-graph for the downward journey of the body.
 10. State Newton's Three laws of motion. Calculate the magnitude of force required to produce an acceleration of 2m/s^2 in a body of mass 12.5kg .
 11. Why does the temperature of a substance remain constant during its melting point or boiling point?
 12. Why is endocytosis found in animal only ?

Subject: SOCIAL SCIENCE

1. What measures have been taken by the government to spread education and skills among boys and girls?
2. What differences do you find between Sakal and Vilas?
3. What are the various crops grown in Palampur?
4. What is working capital? How is it different from Physical capital?
5. What do you mean by constitutional amendments? Why are they essential?
6. How was the apartheid system oppressive for the blacks?
7. Explain any 3 features of Democracy.
8. What are the main features of Godavari Basin.
9. Describe the drainage patterns with the help of diagrams.
10. Write about the location of India in the world map.
11. What role did the philosophers play in the French Revolution?
12. How were Russian peasants different from other European peasants?
13. Explain Lenin's April Theses.

Subject: हिंदी (द्वितीय भाषा)

1. शब्द और पद में क्या अंतर है?
2. और अनुनासिक का प्रयोग करते हुए तीन तीन शब्द लिखिए।
3. 'अ' उपसर्ग एवं 'इक' प्रत्यय से शब्द लिखिए।
4. स्वर संधि के सभी भेदों के नाम दो दो उदाहरणों के साथ लिखिए।
5. साँप का ध्यान बताने के लिए लेखक ने क्या किया युक्तियां अपनाई?
6. गिल्लू की किन के चेष्टाओं से आभास हो गया था कि उसका अंत करीब है?
7. चौथे दिन भी अतिथि के ना जाने पर लेखक के व्यवहार में क्या क्या परिवर्तन आया?
8. लेखिका बचेंद्री पाल की किन विशेषताओं से आप प्रभावित हुए?
9. लेखक यशपाल के अनुसार धनी और निर्धन के शोक मनाने में क्या अंतर होता है?
10. गुलाब की क्या विडंबना है?
11. 100 शब्दों में एक अनुच्छेद लिखिए -
बाल श्रम या समाचार पत्र।

12. हिंदी दिवस की बधाइयां देते हुए अपने किसी मित्र या हिंदी अध्यापक को एक पत्र लिखिए, जिसमें हिंदी दिवस के महत्व को दर्शाया गया हो।
13. आपके हिंदी पाठ्यपुस्तक 'स्पर्श' के अंतिम पृष्ठ पर 'रुई से नायलॉन तक' शीर्षक से एक चित्र दिया गया है। इसे देखकर 50 शब्दों में एक अनुच्छेद लिखिए। (इसे लिखते हुए आप चित्र के नीचे दिए गए विवरण की सहायता ले सकते हैं)

Subject: తెలుగు (ద్వితీయ భాష)

- I. అడిగిన విధంగా లేఖ రాయండి.
 1. నెల్లూరు జిల్లా సూళ్లూరుపేటకు చెందిన రత్నాకర్ ఢిల్లీలో ఉన్న తన మిత్రుడు శ్రీకర్ కు మాతృభాష దినోత్సవం ఎట్లా జరుపుకున్నారో వివరిస్తూ లేఖ.
 - II. వ్యాసములు:
 1. మాతృభాషలో విద్యాబోధన 2. గ్రంథాలయాలు
 - III. ప్రతిపదార్థములు:
 1. ఆ దుర్యోధనుడు అంతమాత్రయును.....
..... గౌరవలు నేముం బొంది శ్రీ వొందినన్.
 2. కావున శాంతి బొందుట కర్ణము.....
..... జక్కబడు తెంతయు నొప్పు జుమీ జనార్దనా!
 - IV. ప్రశ్న జవాబులు:
 1. ధర్మరాజు శాంతి వచనాలను సొంతమాటల్లో రాయండి.
 2. శివతాండవం గేయ సారాంశాన్ని సొంతమాటల్లో రాయండి.
 3. వివేకానందుడు జాతికిచ్చిన సందేశం ఏమి?
 4. జ్యోతిరావు పూలేని చంపడానికి వచ్చిన వాళ్లు పరివర్తన చెందిన సంఘటనను తెలపండి.
 5. స్త్రీల చైతన్యానికి మహిళా సంఘాలు చేస్తున్న కృషిని వివరించండి.

**Subject: संस्कृतम्
(संकलानात्मक मूल्याङ्कनम् 1)**

1. श्रेमुषी – (सर्वेषु पाठेषु) प्रश्न निर्माणम् लेखनाभ्यसः |
2. एकं चित्रं दृष्ट्वा संस्कृते पञ्च वाक्यानि लेखनम् |
3. एकस्य पत्रस्य मञ्जूषा सहायेन पूरणम् |
4. धातुः – पञ्च धातुरूपा वाक्यानि (केवलं परस्मैपदीनाम्) लिखत |
5. शब्दाः – पञ्च शब्द एवं कारक विभक्तीनां वाक्यानि लिखत |