

I. Read the following passage and answer the questions that follow :

Great people are born to produce an influence on society. One such personality, who was so humble and lived his complete life with determination and purpose to achieve certain aims was Ishwar Chandra Vidyasagar. He was a great social reformer, writer, educator and worked endlessly to transform the society. He strongly protested against polygamy and child marriage. He favoured widow remarriage and women's education in India. The Widow Remarriage Act was passed in 1856 making the marriage of widows legal because of his efforts to solve these problems.

Ishwar Chandra Vidhyasagar refined the way Bengali language was written and taught . His book "Borno porichoy" (Introduction to the Alphabet) is still used as the introductory text to teach Bengali alphabet. Thus, he brought about a revolution in the Bengali Education System Vidyasagar is credited with the role of completely changing the old method of teaching which prevailed in Sanskrit College. As a professor in Sanskrit College, he brought modern outlook into the method of teaching. He included English and Bengali as mediums of learning, besides Sanskrit. He also, introduced courses in European History, philosophy and Science along side Vedic scriptures. He encouraged students to study these subjects and make the best of both the worlds.

Ishwar Chandra Vidhyasagar was a strong advocate of women education. He rightly viewed education as the primary way for women to achieve emancipation from the society's oppression they had to face at that time. He exercised his power to open schools for girls and even outlined suitable curriculum to educate them. He went from door to door, requesting heads of families to allow their daughters to be enrolled in schools.

Ishwar Chandra was a man who defined his own path of action. He never listened to what others said about his work and made decisions based on his own judgement. He was famous for all these qualities. He was also famous for all these qualities. He was also known for his great courage. Vidhyasagar had a very soft heart that sympathised with those in trouble. He was easily moved to tears

when he saw someone in pain and was always the first one to offer his help to colleagues and friends in distress. After his death, Rabindranath Tagore said, "One wonders how God, in the process of producing forty million Bengalis, produced a man!"

On basis of your understanding of the above passage, answer any four of the following questions in 30-40 words each: 5x2=10

- What king of life Ishwar Chandra lead?
- What changes did Vidyasagar bring about in the method of teaching at Sanskrit college?
- What was Vidhyasagar's contribution as a Professor in the Sanskrit college?
- How did Ishwar Chandra Vidhyasagar promote women education?
- How can we say that Vidhyasagar was a soft hearted man?

Choose meanings of the words with the help of options that follow:

- (any four): 5x1=5
- Influence
i) income ii) inside iii) impression iv) attraction
 - Transform
i) improve ii) encourage iii) change iv) insist
 - Advocate
i) caretaker ii) promoter iii) neighbour iv) aggressor
 - Emancipation
i) oppression ii) control iii) freedom iv) contribution
 - Distress
i) unhappiness or pain ii) safety iii) calmness iv) joy

SECTION-B : WRITING AND GRAMMAR (5x1=5)

1. You are Amit/Amita, student of class X in Sarvodaya Vidhyalaya, Mori gate, Delhi. On your way to school, you have seen that a gang of pick-pockets freely boards the bus, they not only, rob the passengers but also threaten them to keep their mouths shut. Write a letter to the commissioner of Delhi. Police bringing this problem to his notice for immediate action.

II. Rearrange the given words and phrases form meaningful sentences. Write the correct sentences: (5x1=5)

- Plant growth/ in / storing/ rain water/ can/help/improving

- b) of them/ when/run away/light/they /is turned.
- c) understand words/ parts of / is used to /their brains/ the left
- d) would not/we/able to /anything / see/ without/be / light
- e) trash/ increases/ has led/ waste management / lack / of / in/to

III. Following passage have not been edited. Edit and write the word.

(5x1=5)

A young unemploy Chinese couple	a		
allegedly sold there new born baby	b		
they used part of a money	c		
for buy an i-phone	d		
and other expensive item	e		

SECTION C LITERACY BOOKS:

I. Read the extracts carefully and answer the questions: 5x1=5

If strolling forth, a beast you view,
Whose hide with spots is peppered,
As soon as he has lept on you
You'll know it is the leopard
T" will do no good to roar with pain,
He'll only lep and lep again

- a) What kind of a skin a leopard has?
- b) Why do you think the poet has used the wrong word 'lep" and not "leap"?
- c) According to the poet when can you identify a leopard?
- d) What do you mean by the word "hide"

II. Answer the following: (5x2=10)

- 1. Explain the qualities of the post office employees>
- 2. Why does the poet use such poetically uncommon bird and tree?
What does it reflect?
- 3. What does courage mean to Mandela?
- 4. Descibe the movement of the tiger in the cage and in the wild.
- 5. Young seagull tried to fly but he could not. Why was he afraid to fly?

IV. Answer any one of the following: (5)

The poet has successfully used humour to be able to "tell" or identify "wild animals" How do you think we need lots of its in our daily life?

(or)

What made Maddie feel uncomfortable and uneasy when Peggy and other girls made fun of Wnada Petronki.

V. Answer any one of the following : (5)

1. Did you begin to suspect before the end of the story, that the lady was not the person, Horace Danky took her to be? If so, at what point did you realise this, and how?

(Or)

Do you think Tricki was happy to go home? What do you think will happen now?

- I. Answer the following: $11 \times 1 = 11$
1. If the line $Y = P x - 2$ passes through the point $(3,2)$, then find the value of P .
 2. If $3x+y=10$ and $y=4$, then find the value of x .
 3. Which term of the AP: 92,88,84,80, is 0?
 4. The 10th term of the sequence $\sqrt{2}, \sqrt{8}, \sqrt{2}, \dots$
 5. The area of the triangle whose vertices are $(0,0)$, $(a,0)$ and $(0,b)$ is ____.
 6. For each point on x-axis, y-coordinate is equal to ____.
 7. If $P(E) = 0.05$, then $P(\text{not } E)$ is equal to ____.
 8. A die is thrown once find the probability of getting a number less than 3.
 9. The surface areas of the two spheres are in the ratio 1:2. Find the ratio of their volumes.
 10. A cylindrical pencil sharpened at one edge is the combination of ____.
 11. The area of the square that can be inscribed in a circle of radius 8cm is ____ (in cm^2).

- II. Answer the following: $4 \times 2 = 8$
12. If $y=2x-3$ and $y=5$ then, find the value of x ?
 13. If $3x+k$, $2x+9$ and $x+13$ are three consecutive terms of an AP, find K .
 14. If the points $A(x,y)$, $B(a,0)$, $C(0,b)$ are collinear, prove that $\frac{x}{a} + \frac{y}{b} = 1$
 15. What is the probability of getting 53 Sundays in an ordinary year?

- IV. Answer the following: $4 \times 4 = 16$

1. A jar contains 27 marbles, Five of them are green and other are blue. If a marble is drawn at random from the jar, the probability that it is green is $\frac{2}{3}$. Find the number of blue marbles in the Jar.
17. The slant height of a frustum of a cone is 4cm and the perimeter of circular ends are 18cm and 16cm. Find the cost of painting its curved surface at Rs.10 per square metre.
18. The sum of n , $2n$, $3n$ terms of an AP are S_1, S_2, S_3 , respectively. prove that $S_3 = 3(S_2 - S_1)$
19. Solve for x and y
$$\frac{x+1}{3} + \frac{y-1}{3} = 9$$

$$\frac{x-1}{3} + \frac{y+1}{2} = 8$$
20. Find the area of the rhombus if vertices $(3,0)$, $(4,5)$, $(-1,4)$ and $(-2,-1)$ are taken in order.

- III. Solve $5 \times 3 = 15$
1. ABCD is a rectangle formed by the points $A(-1,-1)$, $B(-1,4)$, $C(5,4)$ and $D(5,-1)$. P, Q, R, and S are the mid-points of AB, BC, CD and DA respectively. Is the quadrilateral PQRS a square? a rectangle? Or a Rhombus. Justify your answer.
 2. The radii of circular ends of a solid frustum of a cone are 33cm and 27 cm and its slant height is 10cm. Find its volume and total surface area.
 23. Find the sum of all two digit natural numbers which when divided by 3 yield 1 as remainder
 24. Draw the graphs of the equations $x-y+1=0$ and $3x+2y-12=0$. Determine the coordinates of the vertices of the triangle formed by these and the x-axis and shade the triangular region.

STD: X

HYA -I

Marks:50

(MAJ)

SCIENCE

Time:1Hr45mins

I. Choose the right option in the following statements: $3 \times 1 = 3$

1. Assertion [A] : Hydrogenation is the process of converting an oil into a fat called vegetable ghee

Reason [R] : Hydrogenation is carried out in the presence of a catalyst usually finely divided nickel

- (a) Both [A] and [R] are true and [R] is the correct explanation of [A]
- (b) Both [A] and [R] are true but [R] is not the correct explanation of [A]
- (c) [A] is true but [R] is false
- (d) [A] is false but [R] is true
- (e) Both [A] and [R] are false

2. Assertion [A] : The refractive index is 2.42

Reason [R] : Speed of light in diamond is $1/2.42$ times to the speed of light in vacuum

- (a) [A] is correct [R] supports [A]
- (b) [A] & [R] are wrong
- (c) [A] is correct [R] is wrong
- (d) [A] is wrong [R] is correct

3. Assertion[A]: In human beings, the female play a major role in determining the sex of the offspring

Reason[R]: Women have two x chromosomes

- a) Both A and B are true
- b) Both A and R are false
- c) A is false R is true.
- d) A is true R is false.

II. Fill in the blanks :

$7 \times 1 =$

1. Reduction is the ____ of oxygen or gain of hydrogen.

2. Ethanol is used in medicines as it is a good ____

3. ____ mirror that can give an erect and enlarged image

4. The radius of curvature of spherical mirror is 20cm, its focal length is ____

5. ____ traits are not found in F1 generation

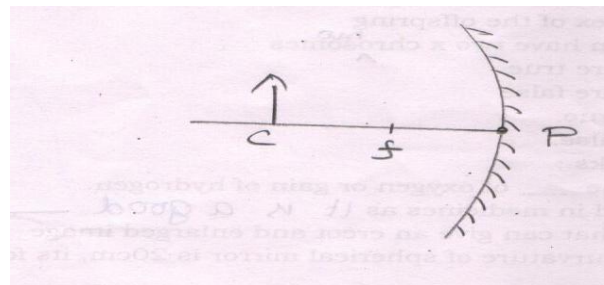
6. The cut tail of an mice is an ____ trait

7.The diseases ____ is caused by leishmania.

III. Answer in one word :

$7 \times 1 = 7$

- 1. Name the oxidising and reducing agent in the following reaction:
 $\text{CuO} + \text{H}_2 \rightarrow \text{Cu} + \text{H}_2\text{O}$
- 2. Unsaturated hydrocarbons gives a yellow flame with lot of black smoke when burnt in oxygen. Give reason
- 3. Find the focal length of a lens of power -2D
- 4. Show the formation of image in the figure



5. What is monohybrid cross?

6.What happens to a slice of bread kept in a moist dark places?

7.What are the male and female gonads in human beings

SECTION-B

IV. Answer in brief :

$6 \times 3 = 18$

- 1. What is meant by precipitation reaction? Give the relevant chemical equation with the names of the chemicals and their physical state symbols
- 2. Write a note on Esterification and Saponification reactions with chemical equations
- 3. A concave lens of focal length 15cm forms an image 10cm from the lens. How far is the object placed from the lens? Draw the ray diagram
- 4. Name the type of mirror used in the following situations :

- (i) Headlight of car
- (ii) Side/rear view mirror of vehicle
- (iii) Solar furnace

Support your answer with a reason

5. A blue coloured flower plant by BB is cross bred with that of white coloured flower plant denoted by bb.

- A) State the colour of flower you would expect in their F1 generation plants.
- b) State the expected ratio of the genotypes BB and Bb in the F2 progeny.

6. Bacteria have a simpler body plan when compared with human beings. Does it mean that human beings are more evolved than bacteria? provide with a suitable explanation

V. Answer in detail : 3 × 5 = 15

1. a) What is rancidity? How can we prevent rancidity? [Two points]

b) Write the chemical equations for the following reactions :

- (i) Addition reaction
- (ii) Substitution reaction
- (iii) Oxidation reaction

2. An object 5cm in length is placed 25cm away from a converging lens of focal length 10cm. Draw the ray diagram and find

position,
size and nature of the image formed

3. a) What is a clone? Why do offsprings formed by asexual reproduction exhibit remarkable similarity?

b) What is a seed? What are the parts of a seed?

05.09.19
STD: IX (FN)
(CON,CHE)

EVERWIN VIDHYASHRAM
CRP- I
L2 HINDI PART-I

Marks: 50
Time: 1hr30mins

I निम्नलिखित गद्यांश पढ़कर पूछे गए प्रश्नों के उत्तर लिखिए:-

कला - कौशल तथा दस्तकारी भी देश की उन्नति के प्रमुख स्तंभ हैं। अतः प्रत्येक युवक का कर्तव्य है कि वह स्वयं कलाकार या दस्तकार बने। और दूसरों को भी इस ओर प्रेरित करे। दैनिक व्यवहार में स्वदेशी वस्तुओं का प्रयोग करना चाहिए। इससे अपने देश के कौशिल्य तथा दस्तकारों को लाभ होगा और उनकी हशा में सुधार होगा। देश का धन देश में ही रहेगा, देश की निर्धनता दूर होगी। नवयुवकों को चाहिए कि अन्य लोगों को भी देशी वस्तुओं के प्रयोग का महत्व समझाएँ और हर क्षेत्र में स्वदेशी का प्रचलन बढ़ाएँ। (3x2=6)

प्रश्न 1. दैनिक व्यवहार में स्वदेशी

वस्तुओं का प्रयोग करने से क्या

लाभ है? किस क्या संदेश दिया है?

2. लेखक ने नवयुवकों को क्या संदेश दिया है?
3. देश के उन्नति के प्रमुख स्तंभ क्या हैं?

II क) वर्ण विच्छेद कीजिए :- (3x1=3)

1. पर्याय 2. तीक्ष्ण, 3. मिट्टी

ख) वर्णों को जोड़कर शब्द बनाइए :-

1. प्+र्+अ+प्+अं+च्+अ 2. च्+आ+इ+अ

3. श्+र्+ई+म्+आ+न् (3x1=3)

ग) संधि - विच्छेद कीजिए :- (2x1=2)

1. शब्दार्थ 2. लंकाेश

घ) संधि कीजिए :- (2x1=2)

1. पारि + ईक्षा 2. वीर + उचिन्

ड) उचित स्थान पर, उचित विरामचिह्न लिखिए

और विराम चिह्नों के नाम लिखिए: (2)

मैं तुम्हारी इस अनूठी उपलब्धि के लिए

तुम्हारे माता पिता को धन्यवाद देना चाहूँगा

III. क. निम्न प्रश्नों के उत्तर लिखिए (5x2=10)

1. एक को साधने से सब कैसे सध जाते हैं?

2. दूसरे पद की जाकी कौती जगत कड लागै
ता पर तुही हौं । इस पंक्ति का अर्थ स्पष्ट
कीजिए ।

3. रहीम ने सागर की अपेक्षा पंक जल को धन्य क्यों कहा है?
4. आई के तुलना पर घर बाहर समस्त लेखक के मन में किस बात का डर था।?
5. जब अतिथि चार दिनों तक नहीं गया तो लेखक के व्यवहार में क्या-क्या परिवर्तन आए?

ख) दीर्घ उत्तर (3x4=12)

1. 'मनुष्य को अनुमान और भावियोजनाएँ कभी-कभी कितनी मिथ्या और उल्टी निकलती हैं -' आशय स्पष्ट कीजिए।
2. ईदास के पहले पढ़ में भगवान और भक्त की जिन-जिन चीजों से तुलना की गई है, उनका उल्लेख कीजिए।
3. तुम कब जाओगे अतिथि - पाठ के माध्यम से लेखक क्या क्या कहना चाहता है।

iv) (क) "भारत के राष्ट्रीय पर्व" इस विषय पर 80-100 शब्दों में एक अनुच्छेद लिखिए। (उनके मनाने को ठीक, स्वतंत्रता दिवस, गणतंत्रा दिवस, महात्मा गाँधी का जन्म दिवस...। इन पर्वों का संदेश) (5)

(ख) तुम 545, शिवाजी नगर, नागपुर में रहने वाली मेधा हो, तुम्हारा मित्र विवेक बोर्ड की परीक्षाओं में प्रथम आया है। उसे बधाई पत्र लिखिए। (5)

