ENGLISH ASSIGNMENT QUESTIONS FOR CLASS XII

WRITING

1. You want to hire an English teacher to coach your son who is studying in class X and is weak in the subject. Draft a suitable advertisement in not more than 50 words to be inserted in the classified columns of " The Sangai Express " giving all the necessary details. You are Sally/ Sam Ngathem from Singjamei, Imphal.   (4 marks)

2. You are Lily, Johnny of 16 Civil Lines, Delhi. You have seen an ad in " The Hindu " for the post of Event Manager at Wildfox Weddings. Apply for the job with complete bio-data. Write in 120-150 words.   (6 marks)

3. The Covid-19 pandemic has affected our lives in more ways than one. We are inundated with news of people dying, oxygen running out in hospitals and hope ebbing. Now more than ever do we need to take care of our mental health. Write a speech for the morning assembly in 150-200 words highlighting the importance of taking care of our mental health and ways of doing so. You are Sameera/Nikhil.   (10 marks)

LITERATURE

FLAMINGO

Answer the following questions in not more than 200 words-   (6 x 2 = 12 marks)

1. Our native language is part of our culture and we are proud of it. How do the people in the story show their love for their language during the last lesson?
2. The issue that Adrienne Rich touches upon in the poem " Aunt Jennifer's Tigers " has deep relevance for our society as well. Comment.

Answer the following questions in 30-40 words: (2x4=8 marks)

1. Keeping still in this often chaotic world is something we have become so out of touch with. What do you think is Neruda trying to achieve by exhorting his readers to keep still?
2. What does the poet's smile in the poem, "My Mother at Sixty Six" show?
3. How is Shakespeare wicked and the map a bad example for the children of the school in a slum?
4. In spite of troubles and sufferings, there is much to love about life. What are two things that bring you joy when you struggle? (It could be tangible like an object or intangible like memories)

Answer the following question in 120- 150 words: (5 marks)

The walls of the classroom are decorated with the pictures of 'Shakespeare', 'buildings with domes', 'world maps; and 'beautiful valleys'. These pictures are in stark contrast with the world of these children. Give two instances from your personal experience where you have encountered a situation where there was a stark disconnect with the ground reality.

Read the extract given below and answer the questions that follow: (1x5=5)

…….The stunted, unlucky heir

Of twisted bones, reciting a father's gnarled

disease.

His lesson, from his desk. At back of the dim

class

One unnoted, sweet and young. His eyes live

in a dream.

Of squirrel's game, in tree room, other than

this.

      i)   Name the poem and the poet.
      ii)   Who is the unlucky heir?
      iii)   What has he inherited?
      iv)   Who is sitting at the back of the dim class?
      v)   How is he different from the rest of the class?

VISTAS

Answer the following questions in 120-150 words: (4x6= 24marks)
1. "Dr Sadao was a true patriot but he also honoured his profession." How did Dr Sadao honour both the values and saved the American prisoner?
2. Give a character sketch of Dr Sadao Hoki.
3. What happened at Golden Lion Hotelin the story, " Evans tries an O-level"?
4. Give a character sketch of James Roderick Evans.

Answer the following questions in 20-30 words : (3x2-6)

      i)   In which subject did Evans appear the O level examination? Why did he want to appear for it?
      ii)   Why did Hana wash the white man?
      iii)   What was the chief concern of Sadao's father? How did he realise it?

Home Assignment for Summer Vacation

Class XII mathematics

(1-10 carry 2 marks)

Q.1   If $2\begin{bmatrix} 3 & 4 \\ 5 & x \end{bmatrix} + \begin{bmatrix} 1 & y \\ 0 & 1 \end{bmatrix} = \begin{bmatrix} 7 & 0 \\ 10 & 5 \end{bmatrix}$, then find $(x - y)$.

Q.2 Write the element a_{23} of a 3×3 matrix $A = a_{ij} = \frac{|i-j|}{2}$

Q.3 If $\begin{bmatrix} 9 & -1 & 4 \\ -2 & 1 & 3 \end{bmatrix} = A + \begin{bmatrix} 1 & 2 & -1 \\ 0 & 4 & 9 \end{bmatrix}$, then find the matrix A.

Q.4 If $\begin{bmatrix} xy & 4 \\ z+6 & x+y \end{bmatrix} = \begin{bmatrix} 8 & w \\ 0 & 6 \end{bmatrix}$, then write the value of $(x + y + z)$

Q.5 Simplify $cos\theta \begin{bmatrix} cos\theta & Sin\theta \\ -sin\theta & Cos\theta \end{bmatrix} + Sin\theta \begin{bmatrix} Sin\theta & -cos\theta \\ Cos\theta & Sin\theta \end{bmatrix}$

Q.6 If A = $\begin{bmatrix} cos\alpha & -Sin\alpha \\ Sin\alpha & Cos\alpha \end{bmatrix}$, then for what value of α, A is an identity matrix.

Q.7 Form a 2x2 matrix, A=$[a_{ij}]$, whose elements are given by $a_{ij} = \frac{i}{j}$

Q.8 If a matrix has 5 elements, then write all possible orders it can have.

Q.9 Find the value of x, if $\begin{bmatrix} 3x+y & -y \\ 2y-x & 3 \end{bmatrix} = \begin{bmatrix} 1 & 2 \\ -5 & 3 \end{bmatrix}$

Q.10 If A is a matrix of order 3x3 and B is a matrix of order 4x3, then find order of matrix (AB)

Q.11 If A = $\begin{bmatrix} 2 & 0 & 1 \\ 2 & 1 & 3 \\ 1 & -1 & 0 \end{bmatrix}$, then find A^2-5A+4I

Q.12 If A=$\begin{bmatrix} 1 & -1 \\ 2 & -1 \end{bmatrix}$, B=$\begin{bmatrix} a & 1 \\ b & -1 \end{bmatrix}$ and $(A + B)^2 = A^2 + B^2$. Then, find the values of a and b.

Q.13 If $A = \begin{bmatrix} 1 & 0 & 2 \\ 0 & 2 & 1 \\ 2 & 0 & 3 \end{bmatrix}$ and find $A^3 - 6A^2 + 7A + I$

Q.14 If a matrix A=$\begin{bmatrix} 1 & -1 \\ -1 & 1 \end{bmatrix}$ and $A^2 = kA$, then write the value of k

Q.15 Form a 3x3 matrix whose elements are given by $a_{ij} = \frac{1}{2}|-3i + j|$

Q.16 If $f: W \to W$ is defined as $f(x) = x - 1, if\ x$ is odd and $f(x) = 1, if\ x\ is\ even$. Show that f is invertible. Find the inverse of f, where W is the set of all whole numbers.

Q.17 If $A = R - \{3\}$ and $B = \{1\}$. Consider the function $f: A \to B$ defined by $f(x) = \frac{x-2}{x-3}$ for all $x\epsilon A$. Then, show that f is bijective. Find $f^{-1}(x)$

Q.18 Show that the relation S defined on set $N \times N$ by $(a, b)\ R(c, d) => a + d = b + c$ is an equivalence relation.

Q.19 If the function $f: R \to$ R is given by $f(x) = x^2 + 3x+1$ and $g: R \to R$ is given by $g(x) = 2x - 3$, then find

    i) fog ii) gof

Q.20 Show that the relation R in the set of real numbers, defined as $R = \{(a, b): a \leq b^2\}$ is neither reflexive nor symmetric nor transitive.

Q.21 Prove that $tan^{-1}\frac{1}{5} + tan^{-1}\frac{1}{7} + tan^{-1}\frac{1}{3} + tan^{-1}\frac{1}{8} = \frac{\pi}{4}$

Q.22 If $tan^{-1}\frac{x-3}{x-4} + tan^{-1}\frac{x+3}{x+4} = \frac{\pi}{4}$, then find the value of x

Q.23 Solve for x,

$$tan^{-1}(x + 1) + tan^{-1}(x - 1) = tan^{-1}\frac{8}{31}$$

Q.24 Prove that $Sin^{-1}\frac{8}{17} + Sin^{-1}\frac{3}{5} = tan^{-1}\frac{77}{36}$

Q.25 Solve for $x, tan^{-1}(x + 1) + tan^{-1}(x - 1) = tan^{-1}\frac{8}{31}$

SLOPELAND PUBLIC SCHOOL

Assignment
For the Summer Vacation
Class XII Science
(Chemistry)

Q.1   Differentiate between a solution showing positive (+ve) deviation and a solution showing negative (-ve) deviation from Raoult's law.   2

Q.2   What type of battery is dry cell? Write the overall reaction occurring in dry cell.   3

Q.3   Write the cell reaction and calculate the emf of the following cell at 298k   5
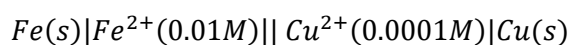
$Fe(s)|Fe^{2+}(0.01M)|| Cu^{2+}(0.0001M)|Cu(s)$
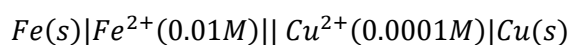
Given, $E^{o}_{Fe^{2+}|Fe} = -0.44v$

$E^{o}_{Cu^{2+}|Cu} = 0.34v$

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$$Fe(s)|Fe^{2+}(0.01M)||\ Cu^{2+}(0.0001M)|Cu(s)$$

Given, $E^{o}{}_{Fe^{2+}|Fe} = -0.44v$

$E^{o}{}_{Cu^{2+}|Cu} = 0.34v$

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