APPENDIX - IV

Pre-Achievement Test

Standard VIII

English

Time : 90 Minutes
Note : Answer all Questions.

Section I

Fill in the blanks choosing the correct words given in the brackets:

1. My father has just ----- out.
   (go, gone, went)

2. We ----- follow the rules of the road.
   (must, mustn't, need)

3. ----- long have you lived in the present house?
   (How, Which, Where)

4. My father has lived in Bombay ----- 1983.
   (for, since, of)

5. You ----- come to my house tomorrow.
   (needn't, mustn't, couldn't)

6. ----- a strong man he is!
   (What, How, Who)

7. A number of competitions ----- 
   (have conducted, have been conducted, had conducted)

8. ----- you go to Madras tomorrow?
   (Will, Shall, Have)

9. Have you ever ----- the Taj Mahal?
   (see, saw, seen)

10. We are free to ----- our opinions.
    (write, written, wrote)
Make new words using the words and suffixes given below:

Words: liberate, inherit, accompany, success, honour, defect, danger, simultaneous.

Suffixes: 11. __________-ment 12. __________-ion
13. __________-ance 14. __________-ful
15. __________-able 16. __________-ive
17. __________-ly 18. __________-ous

Section II

Write the Synonyms (meanings) of the following:

1. dispose of 2. privilege
3. defect 4. incident

Write the Antonyms (opposites) of the following:

5. fortunate 6. joy
7. shiny 8. cover

Choose the best answer from the given list:

9. Dr. Jagadesch Chandra Bose was a ______
   a) doctor b) scientist c) freedom fighter

10. The Primrose blossoms in ______
    a) Autumn b) Winter c) Spring

11. A group of fish are called ______
    a) a shoal b) a Zoo c) a museum

12. He lost his eye in a car accident in London ______
    a) Murray Halberg b) Nawab of Pataudi
c) Rafer Johnson

13. A fisher goes to war on the
    a) pond b) sea c) Well

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Fill in the blanks with the correct forms of verbs given:

14. The walls —— (white wash) just now.
15. Liquid —— (convert) into gas.
16. India —— (be) a fast developing country.
17. Now she —— (write) a letter.
18. She —— (type) since 12 O' Clock.

Fill in the blanks with the words given below:

(Trichy, Consumed, Nagercoil, North Ireland, America)

19. My old car —— a lot of petrol. So I have sold it.
20. The lady missed the bus at ——
21. Miss Margaret was born in ——

Section III

1. Why has the bridge collapsed?
2. Who gave her the name Nivedita?
3. Why was the lady going to Madurai?
4. When did Francis say, "What a tragedy!"?
5. Why is the Shark considered dangerous?
6. What are the different kinds of living things in water?
7. What does every athlete wish for?
8. How did the Nawab of Pataudi lose one of his eyes?
9. How did Murry Halberg injure his arm?
10. Why did Rajan get a shock?
Pre-Achievement Test
Standard VIII
Mathematics

Time : 90 Minutes
Note : Answer all Questions.

Section I 20 X 1 = 20

Choose the best answer

1. \( \sqrt{32} \times 50 = \)
   \[ [4 \times 5, 40, 16, 25] \]

2. Pick out the irrational number.
   \[ [16, 0.6, 5/8, 7] \]

3. Identify which is not a perfect square.
   \[ [256, 225, 1028, 169] \]

4. Pick out the binomial expression.
   \[ \begin{align*}
   &2^2 \quad 4 \\
   &[8x +7, 18x, -12, 15x -7+x ]
   \end{align*} \]

5. \( x + 4 = 9, \) the value of \( x \) is
   \[ [3, 0, 6, 5] \]

Fill in the blanks

6. The multiplicative inverse of \(-7/8\) is -----

7. The degree of the polynomial expression
   \[ 6^2 \quad 2 \\
   4xy -7x y +8xy+7 \text{ is } -----
   \]

8. If \( x + 5 = 5, \) the value of \( x \) is -----
   \[ 3^2 \]

9. The negative polynomial of \( x -5x +4x-7 \text{ is } -----

10. The sum of the measures of the opposite angles of a cyclic quadrilateral is -----

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Say true or false

11. A perfect square will not end in 2, 3, 7, 8.
12. Square of even numbers are divisible by 4.
13. 5, 6, 7, 8, ... are solutions of \( x > 5 \) (in whole numbers).
14. \( x = 4 \) is the solution of \( x + 4 = 7 \).
15. In a cyclic quadrilateral the opposite angles are complementary.

Match the following

16. \( \sqrt{2 \times 3 \times 6} \)
17. Multiplicative inverse of 4-5
18. If \( 6x = 24 \), the value of \( x \) is
19. The complimentary of 60 is

Section II

1. Find the square root of 4356 by factorisation method.
2. If \( y = 3 \), what is the value of \( y \)?
3. Represent this in a scientific notation \( 652230000000 \)
4. Simplify: \( 7x - 6x + 8x - 5 + 11x + 8 + 2x - 5x \).
5. Solve: \( x + 7 = 7 \), \( x - y = 5 \).
1. Find the square root of each of the following,
   a) $\sqrt{\frac{9}{64}}$
   b) $\sqrt{\frac{7}{16}}$

2. Simplify:
   $4 \times 8 \times 27$
   $7 \times 4$
   $3 \times 16 \times 32$

3. Multiply $[3x - 8]$ by $[7x + 10]$

4. Find the solution in rational number $2[3x+7] = 3[3x+5]$
Pre-Achievement Test
Standard VIII
Social Science

Time : 90 Minutes  
Marks: 50  
Note : Answer all Questions.

Section I  
15 X 1 = 15

Choose the best answer from the given clues

1. The first president of the USA  
   (George Washington, Rousseau, Thomas Jefferson)

2. This war helped the English company to establish its rule for the first time in India.  
   (The battle of Buxor, The battle of Plassey, Carnatic war)

3. The first war of Indian independence was fought in  
   (1757 A.D., 1760 A.C., 1857 A.D.)

4. Helps in the growth of local industry  
   (Customs duty, Excise duty, Sales tax)

5. Our constitution emphasises free and compulsory education to all children upto the age of  
   (13, 14, 15)

6. Assisted William Bentinck to eradicate the cruel practice of Sati  
   (Rajaji, Rammohan Roi, Iswar Chandra Vidyasakar)

7. Queen Victoria's Proclamation was issued in  
   (1858 AD, 1947 AD, 1827 AD)

8. Deposition is the main function of this part of a river  
   (upper course, middle course, lower course)

9. Cotton is a  
   (cash crop, food crop, plantation crop)

10. Largest producer of natural rubber in the world is  
    (India, Indonesia, Malaysia)
Fill in the blanks

11. The French people broke open —— the state prison
12. Pitt's Act set up a —— in Britain
13. A state which treats all religions equal is called ——
14. The main food crop of Asia is ——
15. Europe and Asia are together known as ——

Section II 10 X 2 = 20

1. How did Madras become a trading centre?
2. What was the immediate cause for the Revolt of 1857?
3. Why was Burma annexed to British India?
4. What were the features of Ryotwari system?
5. What are the causes for the increase of the birth rate?
6. What are the main problems of Indian society?
7. What do you mean by National integration?
8. What is biosphere?
9. Why do the rivers of Deccan plateau flow into Bay of Bengal?
10. Which countries of the world are the chief exporters of tea?

Section III 3 X 5 = 15

1. What were the main causes for the failure of the Indian Revolt of 1857?
2. What are the rights and duties of a citizen?
3. How is the Earth's interior classified? Describe anyone of it?
Pre-Achievement Test
Standard IX
English

Time : 90 Minutes
Marks: 50

Note : Answer all Questions.

Section I  20 X 1 = 20

Find the odd word in each set
1. disgust, distaste, dislike, desire
2. conceal, reveal, discover, expose
3. talent, ability, stupidity, genius
4. unite, join, combine, separate
5. brave, bold, confuse, courageous

Fill in the blanks with the correct voice forms of the verbs
6. It started to rain while we —— (play) cricket.
7. If he —— (run) he would have caught the train.
8. The bus —— (leave) ten minutes ago.
9. I —— (buy) a new bicycle last month.
10. Mahabalipuram ——— (be) a tourist centre.

Rewrite the following passage completing it with the right words from the given list
(homage, moment, unites, regions, pleasant, reverence, common)

On October 2, people from different ——— of our country stand with ——— in front of Gandhiji's samathi at Rajkat in Delhi. They pay ——— to the Father of the Nation. A sense of oneness ——— them all. They then have a ——— time visiting the various parts of the city.
Split the given sentence into five simple sentences

It was almost midnight on the previous day when my mother managed to come out of the kitchen, with a smile on her face and a sense of satisfaction.

Section II 10 x 2 = 20

1. How did Boetie know it was God who led him up?

2. Why did Raju's family decide to celebrate the Mother's Day when he was a boy?

3. What is the most needed lesson for our country?

4. Why did Margie hate her school life?

5. What was John's experience at the Velankanni Shrine?

Read the following lines and answer the questions below

Ah, no! the thought I cannot bear,
And if God please my life to spare
I hope I shall reward thy care,
   My mother.

6. What is the thought the child cannot bear?

7. What does the child expect of God?

8. In what ways does the child want to reward its mother?

9. Why does the child want to reward its mother?

10. Pick out the line that says that it will support its mother in her old age.

Section III 2 x 5 = 10

1. Describe what happened when the van arrived for the picnic.

2. Write a paragraph on Margie's mechanical teacher.
Pre-Achievement Test
Standard IX
Mathematics

Time : 90 Minutes
Note : Answer all Questions.

Marks: 50

Section I 15 X 1 = 15

Pickout the correct answer

1. If A={0,4,5,7} the number of subsets of A is
   (16, 4, 8, 3)

2. The degree of (4x - 3)(3x + 2) is
   (12, 2, 3, -6)

3. If f(x) = x + 5, then f(-1) is
   (1, 6, 4, -4)

4. The required measures to construct a Cyclic Quadrilateral
   (5, 3, 4, 2)

5. If A={4,6}, B={5,8,12} then n(A X B) is equal to
   (5, 4, 6, 2)

Fill in the blanks

6. If f(x)=7/x, f is a ----- type of function.

7. The negative polynomial of -16x + 2x - 4 is -----

8. If two lines intersect the vertically opposite angles are ---- in measure.

9. The standard form of the polynomial
   \[4 \quad 3\]
   \[14 + 21x - 8x + 6x\] is -----

10. If the hypotenuse of an isosceles right angled triangle is 10cm then the measure of equal side is ----
Say True or False

11. \{(-1,7),(-2,8),(-2,13)\} represents a function.

12. If A={2,7}, B={5,6,8} then AUB is a null set.

13. In any triangle the measure of an exterior angle is equal to sum of the measures of the two interior opposite angles.

14. The area of a regular hexagon of side 3cm is 18cm.

15. If the sum of the measures of two adjacent angles is equal to 180, then their outer arms form a line.

Section II 5 X 2 = 10

1. Find the area of a regular hexagon of perimeter 72cm.

2. If {\((3,12),(5,x),(y,36)\)} is a direct function, find the value of x and y.

3. What should be added to \(-7x + 3x -2x + 16\) to make it \(24x - 8x + 6x - 13\) ?

4. The angles of a triangle are in the ratio 1:2:3. If the smallest side is 6cm, find the other sides.

5. Find the co-efficient of x in \((-5x +3x-1)(9x -2x+6)\).
1. The strength of a hostel is 232. Out of them 175 boys drink tea and 83 boys drink tea and coffee. Find how many boys drink coffee?

2. Find the coefficient of $x^3$, $x^2$ in the expansion of

\[(2x^2 -3x+4)(-7x^3 -5x^2 +2x-3)\]

3. Divide $2x^3 +12x^2 +22x +18x-4$ by the product of $(x-1)(x+2)$.

4. The measures of the three sides of a triangular plot is 30m, 25m and 11m respectively. Find the cost of leveling the ground at the rate of Rs 2.50 per square metre.

5. Prove that the sum of three angles in a triangle is 180.
Pre-Achievement Test

Standard IX

Science

Time : 90 Minuites 
Marks: 50

Note : Answer all Questions.

Section I

10 X 1 = 10

Choose the best answer

1. The reading on the ivory scale at which the pointer changes the direction of its motion is defined as [zero resting point, resting point, turning point, left turning point]

2. The rate of change of displacement in a certain direction is [speed, velocity, displacement, acceleration]

3. Two or more atoms join together by chemical bonds to form [atoms, elements, molecule, compounds]

4. What is the mass of 1 mole of Oxygen molecule? [12, 16, 32, 96]

5. Power house of the cell is [lysosome, ribosome, mitochondria, chloroplast]

Fill in the blanks

6. In cockroach excretion is by ----

7. The long stalk of the moss capsule is called ----

8. Nitrogen was first isolated from air by ----

9. The value of the Avagadro number is ----

10. The rate of change of velocity is ----
Section II  10 X 2 = 20

1. Define pitch of a screw.

2. State Newton's third law of motion.

3. Write the equation for the relationship between Centigrade and Fahrenheit scale.

4. What is meant by the 'fixation' of atmospheric Nitrogen?

5. Write the chemical equation for the action of nitrogen dioxide on hydrogen sulphide.

6. How is ammonia manufactured synthetically?

7. What are the characteristic features of chordates?

8. Write the different types of epithelial tissues.

9. How does cytokinesis take place in a plant cell?

10. What are the functions of the stem?

Section III  4 X 5 = 20

1. How will you determine the coefficient of linear expansion of a solid rod?

2. What are the steps to be followed in writing chemical equations?

3. What are the uses of ammonium salts?

4. Classify the animal kingdom by giving suitable examples for each.
information is not available.
9. Before absorption starch is converted to:
   a) maltase  b) amino acids  c) sucrose  d) minerals

10. Transpiration is proved by:
    a) ring experiment b) bell jar experiment c) mercury manometer experiment  d) guttation experiment.

Fill in the blanks

11. A pair of scissors is a lever of the ---- order

12. ----- is a variable immersion hydrometer

13. The value of latent heat of water is ----

14. Least distant of distinct vision is ----

15. The gas equation is written as ----

16. The formula for finding the maximum number of electrons in an orbit is ----

17. Substances decomposable by electricity are called as ----

18. The Zoological name of cockroach is ----

19. Lipase splits fat into fatty acids and ----

20. The part of brain controlling respiration is ----

Section II 10 X 2 = 20

1. Why doesn't the leaning tower of Pisa fall down?

2. What is Specific Heat Capacity?

3. Mention two uses of IR radiation.


5. What is Oxidation?

6. State the law of conservation of mass.

7. Name two phosphate fertilizers.
8. What is insulin? Mention one of its functions.
9. What is translocation?
10. What is guttation?

Section III

1. Define: Latent heat of fusion. What are its practical applications?

2. How is phosphorus got from bone ash?
Pre-Achievement Test
Standard X
Social Science

Time : 90 Minutes
Note : Answer all Questions.

Marks: 50

Section I 15 X 1 = 15

Choose the Correct Answer

1. The foreign policy of Independent India was formulated by
   (Indira Gandhi, Sardar Patel, Lal Bahadur Sastri, Jawaharlal Nehru)

2. The supreme body of the U.N.O is the
   (General Assembly, Security Council, Trusteeship Council, Secretariat)

3. Germany invaded Poland in
   (1940, 1936, 1941, 1939)

4. The Chief Justice of Supreme Court is appointed by
   (Prime Minister, President, Governor, Chief Minister)

5. The Combination act was passed by
   (Robert Owen, The Youngpit, Lenin, Lord Ripon)

6. The party system is originated in
   (India, England, France, Germany)

7. Corbett National Park is situated in
   (Madya Pradesh, Assam, Delhi, Uttar Pradesh)

8. This crop is called the Golden fiber of India
   (Sugar cane, Cotton, Jute, Tobacco)

9. The project built on the river Mahanadi is called
   (Bhakranangal, Damodar, Hirakud, Nagarjunasagar)

10. The highest peak in Peninsula India
    (Davalagiri, Nanda Devi, Mount Everest, Anaimudi)
Fill in the blanks

11. The International Court of Justice is located at ----
12. Dravidians are associated with ---- life.
13. The script which the Indians learnt due to the Persian contact was -----
14. The oldest Atomic Power station is ---- in Bombay.
15. The hot weather season in India is from ---- to ----

Section II 10 X 2 = 20

1. What are the merits of the Two Party System?
2. What are the differences between the Western Ghats and Eastern Ghats?
3. To what extent was the treaty of ersailles Versailles for the Second World War?
4. Name the two countries involved in the cold war.
5. Who were called the Unionists?
6. Name the Portuguese settlements in India.
7. Find out the difference between Arya - Dravidian races?
8. How does the Supreme Court Protect the fundamental rights of the people?
9. What are the uses of Manganese and Aluminium?
10. What are the tributaries of the Ganges?

Section III 3 X 5 = 15

1. Explain the problems which the Indian Democracy is facing at present.
2. Describe the various rainfall regions of India.
3. What are the uses of forest?