

Atomic Energy Central School No. 4 Rawatbhata

Class 08 - Mathematics

Periodic Test (2019-20)

Maximum Marks: 40

Time Allowed: 1 hour and 30 minutes

General Instructions:

Note: All questions are compulsory.

Section A

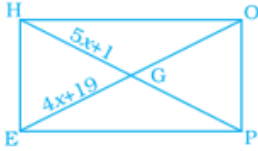
1. $-\frac{16}{9} \times 1 = 1 \times -\frac{16}{9} = -\frac{16}{9}$. Name the property. **1**
2. Find x, if- **1**
 - i. $x - 7 = -3$
 - ii. $\frac{5x}{2} + 5 = 2$
3. What is the number? **1**
 - i. Twice a number is equal to 40.
 - ii. Five Times a number is 30.
4. The perimeter of a square is 196 cm. What is the side of the square? **1**

Section B

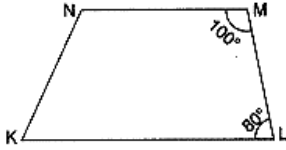
5. Arrange in ascending order **2**
 $\frac{2}{5}, \frac{1}{3}, \frac{-3}{4}, \frac{1}{6}$
6. Solve : $\frac{8x-3}{3x} = 2$ **2**
7. How many sides does a regular polygon have if each of its interior angles is 165° ? **2**

Section C

8. Which is greater? **3**
 - a. $\frac{9}{-13}$ and $\frac{7}{-12}$
 - b. $\frac{-8}{9}$ and $\frac{-9}{10}$
9. a. What is the strength of the class if 4 students are absent today and Attendance of a class today is 32. **3**
b. Savita's age is 4 years less than that of Rajan. If savita is 18 years old. What is Rajan's age?
10. Solve the following linear equation : $\frac{3t-2}{4} - \frac{2t+3}{3} = \frac{2}{3} - t$ **3**
11. In the figure, HOPE is a rectangle. Its diagonals meet at G. If $HG = 5x + 1$ and $EG = 4x + 19$, find x. **3**



12. Explain how this figure is a trapezium. Which of its two sides are parallel? 3



13. Construct a rhombus whose side is 5 cm and one angle is 60° . 3

Section D

14. One of the two digits of a two digit number is three times the other digit. If you interchange the digits of this two-digit number and add the resulting number to the original number you get 88. what is the original number? 4

15. In the given kite ABCD, $\angle ADB = 50^\circ$ and $\angle BCD = 70^\circ$, Find 4

- i. $\angle BCO$
- ii. $\angle ADC$
- iii. $\angle BAD$
- iv. $\angle ABC$

16. Construct a quadrilateral SORE, where $SO = 6\text{cm}$, $OR = 4.5\text{cm}$, $\angle S = 60^\circ$, $\angle O = 105^\circ$, and $\angle R = 105^\circ$ 4

Atomic Energy Central School No. 4 Rawatbhata

Class 08 - Science

Periodic test-I (2019-20)

Maximum Marks: 40

Time Allowed: 1 hour and 30 minutes

Section A

1. Maximum plant nutrients are to be found in: 1
 - a) bottom layer of soil
 - b) middle layer of soil
 - c) top layer of soil
 - d) lower layer of soil
2. Vaccines generally contain : 1
 - a) mixture of several useful microbes
 - b) a non pathogenic microbe
 - c) weak or dead pathogen
 - d) antibiotic producing microorganisms
3. Bakelite does not melt on heating because such: 1
 - a) polymers are attached by strong linear chains
 - b) polymers are joined by strong cross links
 - c) polymers are poor conductors of heat
 - d) polymers are strong and inexpensive
4. When a metal reacts with acid , gas is released. 1
 - a) CO₂
 - b) SO₂
 - c) H₂
 - d) NO₂
5. In petroleum well, crude oil is found : 1
 - a) above water
 - b) mixed with water
 - c) below water
 - d) all the above
6. Name a vitamin which is found in cod liver oil. 1
7. What is fermentation? 1
8. Name a synthetic fibre which works like wool. 1
Name the common non-metals that are used in our daily life directly or indirectly. 1
9. Define the terms 'Petrochemicals'. 1

Section B

10. Why is it necessary to remove weeds from our fields? 2
11. What is the role of yeast in baking industry? 2
12. What happens when iron nails are placed in copper sulphate solution? 2
13. What are the advantages of using CNG and LPG as fuels? 2

Section C

14. What is irrigation? Describe two methods of irrigation which conserve water. 3
Give examples.
15. Explain thermoplastics and thermosetting plastics with examples. 3
16. What type of oxides are formed: 3
 - a. when metals combine with oxygen?
 - b. when non metals combine with oxygen?Write an equation for each.
17. Write the names of any 3 components of petroleum and write their uses also. 3

Section D

18. Explain the various methods of food preservation. (Any five). 5
 19. Describe nitrogen cycle in nature. 5
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Atomic Energy Central School No. 4 Rawatbhata

Class 08 - Social Science

Periodic Test-I (2019-20)

Maximum Marks: 40

Time Allowed: 1 hour and 30 minutes

General Instructions:

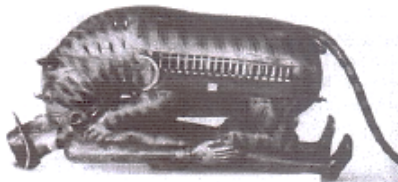
Note: All questions are compulsory.

Section A

1. Why did Tipu Sultan develop a close relationship with the French in India? 1
2. Name the Kingdom which were annexed on the basis of 'Doctrine of Lapse'. 1
3. What was one of the important source do historians use in writing? 1
4. Mention any one important point about the Fundamental Rights. 1
5. The Indian Constitution does not grant religious communities to set up their own schools and colleges. -(True/False) 1
6. Why is the earth called the "water planet"? 1
7. Sustainable development is a way to use resources carefully as well as saving them for future.(True/False) 1

Section B

8. How did James Mill view India? 3
9. Observe the following picture and answer the question 3



Question:

- i. What it is?
 - ii. Where is it kept?
 - iii. When did the British take it way?
10. What administrative reformations were brought in the sphere of justice? 3
 11. What are the three objectives of a secular State? 3
 12. Explain how resources are classified broadly. 3
 13. What are the major types of vegetation in the world? Describe vegetation in different rainfall conditions. 3

Section C

14. Give an account of the Battle of Plassey. 5
15. What is a Constitution? Write a brief note on it. 5
16. Describe methods of soil conservation. 5

1. Read the following passage carefully and answer the following questions by choosing the correct option. **8 Marks**

This letter is written by great American President Abraham Lincoln to the teacher of his son. Very inspiring and sometime in life you might need to give it to your children to read.

My son starts school today. It is all going to be strange and new to him for a while and I wish you would treat him gently. It is an adventure that might take him across continents. All adventure probably include wars, tragedy and sorrow. To live this life will require faith, love and courage. So dear Teacher, will you please take him by his hand and teach him things he will have to know, teaching him- but gently, if you can. Teach him that for every enemy there is a friend. He will have to know all men are not just, that all men are not true. But teach him also that for every scoundrel there is a hero that for every crooked politician, there is a dedicated leader.

Teach him if you can that 10 cents earned is of far more value than a dollar found. In school, teacher, it is far more honorable to fail than to cheat. Teach him to earn how to gracefully lose, and enjoy winning when he does won. Teach him to be gentle with people, tough with touch people. Sheer him away from envy if you can and teach him the secret of quiet laughter. Teach him if you can- how to laugh when he is sad, teach him there is no share in tears. Teach him there can be glory in failure and despair in success. Teach him to scoff at cynics.

Teach him if you can the wonders of books, but also give him time to ponder the extreme mystery of birds in the sky, bees in the sun and flowers on a green hill. Teach him to have faith in his own ideas, even if everyone tells him they are wrong.

Try to give my son the strength not to follow the crowd when everyone else is doing it. Teach him to listen to everyone, but teach him also to filter all that he hears on a screen of truth and take only the good that comes through.

- (i) Who has written the letter?
- | | |
|---------------------------|------------------------------|
| a. President George Bush | c. President Abraham Lincoln |
| b. President Barack Obama | d. President Donald Trump |
- (ii) The letter focuses on children's :
- | | |
|----------------------------|------------------------------|
| a. Ideal upbringing | c. Difficult aspects of life |
| b. Good academic grounding | d. Strict disciplining |
- (iii) The author's son is:
- | | |
|------------------------------|----------------------|
| a. Not doing well in studies | c. Being mischievous |
| b. Beginning his schooling | d. Afraid of school |
- (iv) The teacher should dwell on:
- | | |
|-----------------------|------------------------------|
| a. Academics alone | c. Practical aspects of life |
| b. Bad things in life | d. Way to success and wealth |
- (v) There are all kinds of people but:
- | | |
|---|--|
| a. There are more bad people than good ones | c. Most people are bad |
| b. Most people are good | d. The good and the bad exist in equal numbers |
- (vi) Children should be taught:
- | | |
|------------------|-------------------------|
| a. To lose also | c. To lose with grace |
| b. To always win | d. Not to enjoy victory |
- (vii) The word most similar to 'crooked' is:

- a. Dishonest
b. Disciplined
- (viii) The noun form of 'valuable' is:
a. Valued
b. Valuably
- c. Lawful
d. capable
- c. Invaluable
d. Value
2. Imagine you are Head boy/ girl of your school. Write a notice on behalf of the principle of your school asking interested students of class 6th to 8th to register their names for the Science Talent Scholarship exam to be held next month. The last date of registration is 22nd July, 2019. Do not exceed 50 words. **4 Marks**
3. Write a paragraph or two in about 100 to 120 words on Science Exhibition conducted in your school. **6 Marks**
4. Do as directed. **5 Marks**
- (i) Fill in the blanks using correct form of verb:
a. When I reached the school gate, the bell _____(ring).
b. When she _____(come) from school yesterday, she had torn her dress.
- (ii) Construct sentence using the phrase 'keep out'.
- (iii) Use noun form of the word given in bracket.
She was very confused, no one could understand her _____(confuse).
- (iv) Change into passive voice.
She wrote the letter neatly.
5. Read the abstract and choose the best options to answer the questions. **4 Marks**
*Quoth the cricket, "Not I !My heart was so light
That I sang day and night,
For all nature looked gay."
"You sang , Sir you say?
Go then," says the ant, "and dance the winter away."*
- (i) 'Quoth' means:
a. Promised
b. Sang
c. Said
d. Scolded
- (ii) The cricket sang all the time because:
a. Had careless attitude
b. He was a good dancer
c. The ant had asked him to do so
d. He didn't know how to store food
- (iii) In summer time nature was:
a. Dull
b. Sad
c. Plentiful
d. Cold and wet
- (iv) The ant's suggestion has a tone of :
a. Sympathy
b. Sarcasm
c. Pity
d. Helplessness
6. Answer the following questions in 20 to 30 words: **8 Marks**
- (i) Describe the roll top desk the author found in the junk shop.
(ii) Justify the title 'The Best Christmas Present' of the story.
(iii) What are the two different beliefs regarding the animals.
7. Answer the following questions
- (i) What work did the horse , the dog and the ox do? **3 Marks**
(ii) What according to the Djinn, was the use of "Humph"? **2 Marks**
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