General Instructions:

Note: All questions are compulsory.

Section A

1. Arrange in descending order : -2,-13,-8, 1   **1**

2. For any integer 'a' what is (-1) x (a) equal to?   **1**

3. Express in kg : 3470 g   **1**

4. What is the probability of sun setting tomorrow?   **1**

Section B

5. Subtract the first rational number from the second   **2**

     a. 3, -15   b. -8,-7

6. Calculate :   **2**

     i. 384.94 + 17.348   ii. 260.65 − 40.9

7. Find the mode of the given data: **2**

     10,8,4,7,8,11,1,5,8,4,2,3,6,8

Section C

8. Use the distributive property of multiplication over addition to simplify (-5)(8+16).   **3**

9. The sum of two rational numbers is -8. If one of the number is -18, find the other number.   **3**

10. Write the following decimal numbers in the expanded form: **3**

i. 2,066.228   ii. 4,127.757   iii. 7,410.809

11. The side of an equilateral triangle is 3.5 cm. Find its perimeter.   **3**

12. The performance of students in the 1st term and 2nd term is given. Draw a double bar graph choosing appropriate scale and answer the following:

Subject	1st term(M.M.100)	2nd term(M.M. 100)
English	67	70
Hindi	72	65
Maths	88	95
Science	81	85
S. Science	73	75

i. In which subject, has the child improved his performance the most?

ii. In which subject is the improvement the least?

iii. Has the performance gone down in any subject?

13. The rainfall (in mm) in a city for7 days in a certain week was recorded as follows: **3**

Day	Mon	Tue	Wed	Thu	Fri	Sat	Sun
Rainfall(in mm)	0.0	12.2	2.1	0.3	20.2	5.5	1.0

i. Find the range of rainfall in the above data.

ii. Find the mean rainfall for the week.

iii. On how many days was the rainfall less than the mean rainfall.

14. Ria and Khushi participated in lemon race. The race was conducted in 6 parts. In the first part, Ria won by 10seconds. In the second part she lost by 1 minute, then won by 20seconds in the third part and lost by 25 seconds in the fourth part, she lost by 35 seconds in the fifth part and finally won by 12 seconds in the last part. Who won the race finally?

15. Find the sum: **4**

i. $4\frac{3}{4} + 9\frac{2}{5}$

ii. $\frac{5}{6} + 3 + \frac{3}{4}$

16. The table below gives the flavours of ice cream liked by children(boys and   **4**
girls) of a society.

Flavours	Vanilla	Chocolate	Strawberry	Mango	Butterscotch
Boys	4	9	3	8	13
Girls	8	12	7	9	10

i.   Draw a double bar graph using an appropriate scale to represent the following information.
ii.   Which flavor is liked the most by the boys?
iii.   How many girls are there in all?
iv.   How many children like chocolate flavor of ice cream

Atomic Energy Central School No. 4 Rawatbhata

Class 07 - Science

PERIODIC TEST-I (2019-20)

Maximum Marks: 40   **Time Allowed: 1 hour and 30 minutes**

Section A

1. Plants prepare their food by the process of   **1**
   - a) Transpiration
   - b) All of these.
   - c) Photosynthesis
   - d) Respiration

2. Cell-wall of plant cell is made up of cellulose. Which of the following is not able to digest cellulose?   **1**
   - a) Human beings
   - b) Deer
   - c) Cow
   - d) Goat

3. Which of the following is the longest part of the digestive system?   **1**
   - a) Large intestine
   - b) Rectum
   - c) Oesophagus
   - d) Small intestine

4. Which is not related to silk industry?   **1**
   - a) Apiculture
   - b) Sericulture
   - c) Reeling
   - d) Moriculture

5. Which of the following thermometer do not use mercury?   **1**
   - a) Laboratory thermometer
   - b) Clinical thermometer
   - c) Digital thermometer
   - d) Fahrenheit thermometer

6. What are saprotrophs?   **1**
7. Why insectivorous plants eat insects?   **1**
8. What is the function of Villi?   **1**
9. Why fleece scoured?   **1**
10. What is convection?   **1**

Section B

11. Write the importance of Rhizobium bacteria for the farmers.   **2**
12. What are ruminants? How do they digest cellulose?   **2**
13. How silk thread is obtained from cocoon?   **2**
14. Why do we wear light coloured cotton clothes when it is hot?   **2**

Section C

15. Distinguish between a parasite and a saprotroph.   **3**
16. Write the function of the following in human stomach.
    (a) Hydrochloric acid (b) Mucus (c) Digestive juices   **3**

17. Make sketches of the two stages in the life history of the silk moth which are directly related to the production of silk.   **3**
18. Differentiate between clinical and laboratory thermometer?   **3**

Section D

19. Describe digestion of food in amoeba with the help of labeled diagram.   **5**
20. How does the heat travel in air? Explain the sea breeze and land breeze in coastal areas in this reference.   **5**

Atomic Energy Central School No. 4 Rawatbhata
Class 07 - 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. During the period 700 to 1750 new technologies made their appearance   **1**
   a) firearms in combat   b) Persian wheel in irrigation
   c) spinning wheel in weaving   d) All of these

2. Two schools of islam are   **1**

   a) Hanafi and Shafi   b) Hanafi and Sunni
   c) Hanafi and Shia   d) Hanafi and Ulama

3. Natural environment refers to both ___ and _____ conditions existing on the earth **1**
   a) Abiotic and Bio   b) Biotic and Ecosystem
   c) Biotic and Abiotic   d) Ecosystem and Abiotic

4. Why we should protect the environment   **1**
   a) It is our basic life support system
   c) Most of the human activities protect the environment like deforestation
   b) Many part of the environment are already secured by the excess use of resources
   d) It provides us human resources

5. The earth's crust is about _____ km on the continental masses and only _____ km on **1**
   the ocean floors
   a) 40,15   b) 30,5
   c) 25,10   d) 35,5

6. Dalit is a term used to address _____   **1**

   a) lower castes   b) Upper castes
   c) The Poor   d) Middle castes

7. Which of the following is false regarding the Policy of Kerala government   **1**
   towards health services
   a) 50% of the entire state budget was given to the panchayats
   b) The working of school and anganwadi was checked
   c) Water supply scheme were checked to ensure good health
   d) Health care centre were improved

Section B

   Discuss the major developments which took place between 750 CEs and 1750 CE.   **3**

8. Give an account of various domains of the environment.   **3**

9. What are minerals? How are they useful for mankind?   **3**

10. Mention two different kinds of inequalities that exist in our country. Give   **3**
    examples.

11. What did the court say in the case of Hakim Sheik?   **3**

12. Mention some positive aspects of healthcare in India.   **3**

Section C

13. Describe the process of copying the manuscripts. What were its drawbacks?   **5**

14. Discuss the various types of rocks in detail.   **5**
    What are the provision made in the constitution for the recognition of equality? **5**

SECTION A: READING   (10 marks)

A.1. Read the given passage and answer the questions that follow: (5)

Soon the drum made of tamarind wood was ready. The courtiers assembled outside the king's door and the royal musician began to play. But instead of the thum thum thum that everyone expected, the Tamarind drum intoned, "The raja has horns on his head. The raja has horns on his head". The court burst out laughing and the king cried with rage. "I won't stay in the palace a moment longer," he shouted. "I'll go to the forest and live by myself." He tore the nightcap off his head and ran out of the palace, seizing the Tamarind drum on his way out. The king lived for several years in the forest. He gradually learnt about the beauty of the world around him. He learnt to care for creatures smaller than himself. He grew strong, wise and selfless. His only companion was the Tamarind drum, and the drum, when he beat it, it gave him all the advice and experience of the old tree. He learnt to play it so beautifully that even the spirits of the trees were charmed and they went to meet the God who had given him the horns.

    1. What was the drum made of?

    2. What did the tamarind drum intone?

    3. Why could not the king remain in the palace ?

    4. How many years did the king live in the forest?

    5. What kind of man did the king become after living in the forest?

A.2. Read the following poem carefully: (5)

Each One, Teach One

    Each one, Teach one.

    Let this be our slogan

    Let us spread the light

    Of learning, across the nation

        The gift of knowledge, they say

        It is loveliest gift of all.

        Let us offer this gift

        To those whose needs are small.

    To those who never learnt

    How to write or read

    Instead of making noises

    Let's get on with the deed.

        Let our country awaken

        From the slumber of centuries

        Let us make a pledge

        To vanish illiteracy

Complete the sentences according to the poem.   (5)

(a) The poet wants everyone to ----------.

(b) Each one teach one should be our -------------- .

(c) We have to spread the light of ------------ across the nation.

(d) We have to take a pledge to vanish -----------.

(e)   Slumber means _____.

SECTION B :WRITING   (10marks)

B.1. You are Rehmat/Ram of class VII. You lost your geometry box. Write a notice to be put up on the school notice board, giving all the details and using not more than 50 words.   (5)

B.2. Write a letter to your uncle inviting him to attend your birthday and telling
      him about how you have planned to celebrate it.   (5)

SECTION C: GRAMMAR   (8marks)

C.1. Fill in the blanks with the appropriate forms of the word   given in the bracket. (4)

    a. He has ------------ to help me .Do you think he will remember his------

(promise)

    d. It is not ---------- that ------------ should be the mother of invention.   (necessary)

C.2. Rewrite the following pair of sentences as a single sentence. Use" if" at the beginning. (2)

     a. Be polite to people. They will be polite to you.

     b. Do not tease the dog. It will bite you.

C.3. Write the meaning of the following words.   (2)

  a.   pardon   b. wounded

SECTION D: LITERATURE   (12Marks)

D.1. **Read the following extract and answer the questions that follow**.   (2)

            He wore a question mark for tail

            An overcoat of gray

            He sat up straight to eat a nut

            He liked to tease and play

    a) How has the poet described the tail and the fur?

    b) Who teases whom?

D.2. Answer any five.   (10)

    a) Why was the king advised to go to the magician?

    b) How did the king and the hermit help the wounded man?

    c) What was the noise that startled Mridu and frightened Mahendran?

    d) What makes Mridu conclude that the beggar has no money to buy chappals?

    e) What jobs are the new ants trained for?

    f) In what ways is an ants life peaceful?

परमाणु ऊर्जा केन्द्रिय विद्यालय–4, रावतभाटा
सावधिक परीक्षा –I (2019-20)

कक्षा –VII   सत्र– 2019–20   विषय – हिन्दी

समय – 1.30   पूर्णांक – 40

प्र.1. निम्नलिखित गद्यांश को पढ़कर उत्तर दीजिएः–   5

"रोता क्यों है रे।" दादी माँ ने उसका माथा सहलाते हुए कहा, मैं तो अभी हूँ ही। उन्होंने सन्दूक खोलकर चमकती–सी चीज़ निकाली, "तेरे दादा ने यह कंगन मुझे इसी दिन के लिए पहनाया था।"

प्रश्न (क)   प्रस्तुत पाठ का नाम व रचियता का नाम बताइए।

प्रश्न (ख)   दादी ने संदूक से क्या निकाला और वह उन्हें किसने दिया?

प्र.2. निम्नलिखित प्रश्नों में से किन्हीं 4 प्रश्नों के उत्तर दीजिएः–   12

(क) दादी माँ के स्वभाव का आपको कौनसा पक्ष अच्छा लगता हैं और क्यों?

(ख) कठपुतली को गुस्सा क्यों आया?

(ग) सन् 1857 व 1942 के स्वतंत्रता सैनानियों के नाम बताइए।

(घ) सिंधु व ब्रह्मपुत्र की क्या विशेषता बताई गई हैं?

(ड़) पहली कठपुतली की बात दूसरी कठपुतली को क्यों अच्छी लगी?

प्र.3. पद्यांश को पढ़कर प्रश्नों के उत्तर दीजिएः–   5

"नीड़ न दो, चाहे टहनी का
आश्रय छिन्न–भिन्न कर डालो
लेकिन पंख दिए हैं तो
आकुल उड़ान में विघ्न न डालो।"

(क) नीड़ का क्या अर्थ है?

(ख) पक्षी उड़ान में विघ्न डालने को क्यों मना कर रहे है?

(ग) कविता व कवि का नाम बताइए।

प्र.4. द्वन्द समास के कोई उदाहरण लिखिए।   3

प्र.5. पाँच ऐसे शब्द लिखिए जिन्हें उल्टा करने पर कोई सार्थक शब्द बनें?   3

प्र.6. अजमेर, बनारस व सतलुज के कोई अन्य नाम लिखिए।   3

प्र.7. खेल सामग्री मंगवाने हेतु विद्यालय के प्रधानाचार्य को पत्र लिखिए।   5

प्र.8. निम्नलिखित में से किन्हीं 2 प्रश्नों के उत्तर दीजिएः–   4

(क) श्रीकृष्ण के पितामह कौन थे?

(ख) केवट ने राजा से क्या मांगा?

(ग) सत्यवती के पुत्र का नाम क्या था?

....

प्र.1 निम्नलिखित संस्कृत गद्यांश में से किसी एक का हिन्दी में अनुवाद कीजिए-5

अ) अथ एकदा धीवराः तत्र आगच्छन्। ते अकथयत्-'वयं श्वः मत्स्यकूर्मादीन-मारयिष्यामः।' एतत् श्रुत्वा कूर्मः अवदत्- 'मित्रे ! किं युवाभ्याम् धीवराणां वार्ता श्रुता अधुना किम् अहं करोमि।' हंसौ अवदताम्- 'प्रातः यद् उचितं तत्कर्त्तव्यम्।'

अथवा

तदा कृष्णमूर्तिः अवदत्- 'मित्र ! ममापि अष्टौ कर्मकराः सन्ति। ते च द्वौ पादौ द्वौ हस्तौ द्वे नेत्रे, द्वे श्रोते इति। एते प्रतिक्षणं मम् सहायकाः। किन्तु तव भृत्याः सदैव सर्वत्र च उपस्थिताः भवितुं न शक्नुवन्ति। त्वं तु स्वकार्याय भृत्याधीनः। यदा-यदा ते अनुपस्थिताः, तदा-तदा त्वं कष्टम् अनुभवसि।'

आ निम्नलिखित संस्कृत पद्यांश में से किसी एक का हिन्दी में अनुवाद कीजिए-5

पृथिव्यां त्रीणि रत्नानि जलमन्नं सुभाषितम्।

मूढैः पाषाणखण्डेषु रत्नसंज्ञा विधीयते।।

अथवा

दाने तपसि शौर्ये च विज्ञाने विनये नये

विस्मयो न हि कर्त्तव्यो बहुरत्ना वसुन्धरा।।

प्र.2 निम्नलिखित प्रश्नों में किन्हीं पाँच प्रश्नों के उत्तर लिखिएः-   5

क. लोके वशीकृतिः काः?

ख. मूढैः कुत्र रत्नसंज्ञा विधीयते?

ग. केन वाति वायु?

घ. कूर्मस्य किं नाम आसीत्?

ङ. कूर्मः केन मार्गेण अन्यत्र गन्तुम् इच्छति?

च. कस्य गृहे कोऽपि भृत्यः नास्ति?

छ. कृष्णमूर्तेः कति कर्मकराः सन्ति?

प्र.3 श्लोकों का मिलान कीजिएः-   4

सत्येन धार्यते पृथ्वी   विद्याः संग्रहेषु च।

सद्भिर्विवादं मैत्रीं च   त्यक्तलज्जाः सुखी भवेत्।

आहारे व्यवहारे च   नासद्विः किञ्चिदाचरेत्।

धनधान्यप्रयोगेषु   सत्येन तपते रविः।

प्र.4 पाठ्यपुस्तक से एक याद किया हुआ श्लोक जो आपके प्रश्न-पत्र में न आया हो अर्थ सहित लिखिए।   4

प्र.5 निम्नलिखित क्रियापद चुनकर वाक्यों को पूरा कीजिए:-   6

अभिनंदति, भक्षयिष्यामः, इच्छामि, वदिष्यामि, उड्डीयते, प्रतिवसति स्म

क. हंसाभ्यां सह कूर्मोऽपि...................

ख. अहं किञ्चिदपि न...................

ग. यः हितकामनां सुहृदां वाक्यं न.................

घ. एकः कूर्मः अपि तत्रैव...................

ङ. अहम् आकाशमार्गेण अन्यत्र गन्तुम्...................

च. वयं गृहं नीत्वा कूर्मः.....................

प्र.6 निम्नलिखित संख्या पदों में से किन्हीं चार को संस्कृत पद में लिखिए। 3

24, 15, 18, 30, 11, 50

प्र.7 उचित सर्वनाम शब्द रूप से रिक्त स्थान की पूर्ति कीजिए:-   4

	एकवचन	द्विवचन	बहुवचन
द्वितीया विभक्ति	एतेम	....	....
तृतीया विभक्ति	....	....	एतैः

प्र.8 'चर्' धातु के रूप लृट लकार(भविष्यत् काल)से रिक्त स्थान को पूरा कीजिए-4

	एकवचन	द्विवचन	बहुवचन
प्रथम पुरूष	चरिष्यति	....	चरिष्यन्ति
मध्यम पुरूष	....	....	चरिष्यथ
उत्तम् पुरूथ	चरिष्यामि	चरिष्यावः	....