

# Atomic Energy Central School No.2 Rawatbhata

## CLASS 09 - ENGLISH PERIODIC TEST I (2021-2022)

**Time Allowed: 1 hour and 30 minutes**

**Maximum Marks: 40**

### General Instructions:

1. All questions are compulsory
2. Marks of each question is given against them.

**1. Read the passages given below and answer any 10 questions that follow them: [10]**

Tourists to Jammu and Kashmir have another attraction - a floating post office on the Dal Lake in Srinagar, the first in the country. 'Floating Post Office, Dal Lake' - claimed to be the only one such post office in the world is built on an intricately carved maroon houseboat, fastened on the western edge of the Dal Lake.

This post office lets you avail of all the regular postal services available in the country while being afloat. The seal used on everything posted from Floating Post Office is unique - along with the date and address, it bears the design of a boatman rowing a shikara on the Dal Lake. The special feature of this post office is that letters posted from here carry a special design which has the picturesque scenery of Dal Lake and Srinagar city. These pictures reach wherever these letters are posted to and hence promote Kashmir as a tourist destination across the world.

This is actually a heritage post office that has existed since British times. It was called Nehru Park Post Office before 2011. But then the chief postmaster John Samuel renamed it as 'Floating Post Office'.

The post office's houseboat has two small rooms - one serves as the office and the other a small museum that traces the philatelic history of the state postal department. It has a shop that sells postage stamps and other products.

But for the locals, Floating Post office is more than an object of fascination. 1-2 crore is deposited per month in Floating Post Office by communities living in and around the Dal Lake. The lake has several islets that are home to more than 50,000 people.

The greatest fear is the recurrence of 2014 like floods in which the houseboat had gone for a toss uncontrollably pushed by the flood. Rescue teams had to anchor it using the special mechanism in a nearby highland. Then it was brought back on the Dal after the water receded. The biggest boon is that at no time of the year do you need a fan in this post-office!

- i. What is the location of the Floating Post Office in Srinagar?
  - a. On dal lake
  - b. Near centaur
  - c. On Pari Mahal
  - d. Near post office
- ii. What is special about the seal used in the post office?
  - a. design of a houseboat on the Dal Lake

- b. design of a boatman rowing a shikara on the Dal Lake
  - c. design of a chinar tree on the Dal Lake
  - d. design of a tourist on the Dal Lake
- iii. Who renamed the post office as Floating Post Office?
- a. Postmaster
  - b. Postman
  - c. Delivery agent
  - d. Chief Postmaster
- iv. What is the greatest fear that the post office has?
- a. Snow
  - b. Earthquakes
  - c. Floods
  - d. Tsunami
- v. How is the post office a big boon to the people?
- a. You do not need fan
  - b. You need water
  - c. You need airconditioning
  - d. You do not need heater
- vi. The flood came in the year in Kashmir valley:
- a. 2014
  - b. 2013
  - c. 2015
  - d. 2011
- vii. The chief postmaster \_\_\_\_\_ renamed Nehru Park Post Office as Floating Post Office:
- a. John Sammy
  - b. John Samuel
  - c. Samuel Sammy
  - d. Daniel Samuel
- viii. In para1, the synonyms of word **attraction**:
- a. beauty
  - b. repulsive
  - c. float
  - d. intricate
- ix. In para4, the synonyms of word **floating**:
- a. settled
  - b. fixed
  - c. afloat
  - d. wind up
- x. In para2, the antonyms of word **unique**:
- a. rare
  - b. particular

c. distinctive

d. ordinary

xi. The lake has several islets that are home to more than \_\_\_\_\_ people.

a. 10,000

b. 50,000

c. 55,000

d. 40,000

xii. \_\_\_\_\_ Post Office known as Floating Post Office before 2011.

a. John Samuel

b. Dal Lake

c. Nehru Park

d. Maroon

2. You are Priyanka. You visited **The Green Gardens Resort** during the holidays. Write a paragraph for your school magazine about why the place attracted you. [5]
3. **Fill in the blanks by choosing the most appropriate words from the given options :** [3]  
Nazi Germany (a) ..... defeated in 1944 (b)..... Hitler apparently killed himself (c).....the world cannot forget him. Films, books, articles, documentaries on him have been made.  
a. (i) had (ii) have (iii) was (iv) were  
b. (i) but (ii) or (iii) and (iv) then  
c. (i) and (ii) but (iii) or (iv) either
4. What did Tommy tell Margie about the old school? Write in brief. [2]
5. Give an account of Bismillah Khan's memorable performances abroad. [2]
6. What would Kezia do while her father slept on Sundays? What happened when he woke up? [2]
7. What does the poet like to do when it rains? [2]
8. What was the child's response to the many offers made by the man? [2]
9. Toto was an adventurous monkey. How did he almost boil himself alive? [2]
10. What havoc did the elephant created in the school ground? [2]
11. 'The Road not Taken' symbolises the metaphor of choices made in life. Describe the theme of the poem justifying its title. [4]
12. **Read the extract given below and answer the questions that follow. [4x1 = 4 marks]** [4]  
He won't do what you tell him.  
So, come, let's build strong homes,  
Let's joint the doors firmly.  
Practice to firm the body.  
Make the heart steadfast.  
Do this, and the wind will be friends with us.  
The wind blows out weak fires.  
He makes strong fires roar and flourishes.  
His friendship is good.  
We praise him every day.  
a. Why does the poet ask us to make strong houses?

- b. What should we do with our hearts and bodies?
- c. When will the wind be our friend?
- d. What is the effect of the wind on the fire?

# Atomic Energy Central School No.2 Rawatbhata

## CLASS 09 - HINDI A

सामयिक परीक्षा (2021-2022)

Time Allowed: 1 hour and 30 minutes

Maximum Marks: 40

### General Instructions:

1. सभी प्रश्नों के उत्तर लिखना अनिवार्य है।
2. अंक प्रत्येक प्रश्न के सामने दिए गए हैं।

1. 'भुलक्कड़' शब्द में से मूल शब्द और प्रत्यय अलग कीजिए। [1]  
a) भुलक + ककड़  
b) भुलक्क + ड  
c) भुला + अक्कड़  
d) भूल + अक्कड़
2. 'व्याकरण' और 'अप्रत्यक्ष' शब्दों में से उपसर्ग और मूल शब्द अलग कीजिए। [1]  
a) वि + आकरण, अप्रती + अक्ष  
b) 'वि + आ + करण' और 'अ + प्रति + अक्ष'  
c) व्या + करण, अप्रत्य + अक्ष  
d) वि + आकर्ण, अप्र + तक्ष
3. 'सजावट' और 'लिखावट' में से मूल शब्द और प्रत्यय अलग कीजिए। [1]  
a) सज + आहट, लिख + आहट  
b) सजाव + ट, लिखा + ट  
c) सज + आवट, लिख + आवट  
d) सजाना + आवट, लिखाना + आवट
4. 'इत' प्रत्यय से दो शब्द बनाइए। [1]  
a) अंकित, शोभित  
b) दयालित, कृपालित  
c) सामाजित, परिवारित  
d) पंकित, लचित
5. इकलौता बेटा था वह ! - अर्थ के आधार पर वाक्य भेद बताएं। [1]  
a) विस्मयादिवाचक वाक्य  
b) आज्ञावाचक वाक्य  
c) संदेहवाचक वाक्य  
d) निषेधवाचक वाक्य
6. उस साधु को संबल लेने का हक क्यों दिया गया? - अर्थ के आधार पर वाक्य-भेद बताएं। [1]  
a) आज्ञावाचक वाक्य  
b) संकेतवाचक वाक्य  
c) निषेधवाचक वाक्य  
d) प्रश्नवाचक वाक्य
7. निम्नलिखित सामासिक विग्रह कीजिए एवं समास भी लिखिए- [4]  
i. जलवायु  
ii. नेत्रहीन  
iii. प्रतिदिन  
iv. गजानन
8. निम्नलिखित काव्यांशों के अलंकार भेद पहचान कर लिखिए- (किन्हीं चार) [4]  
i. "लगा दी किसने आकर आग। कहाँ था तू संशय के नाग?"  
ii. खंजरीर नहीं लखि परत कुछ दिन साँची बात।  
बाल द्रगन सम हीन को करन मनो तप जात॥  
iii. यह काया है या शेष उसी की छाया, क्षण भर उनकी कुछ नहीं समझ में आया।

iv. हनुमान की पूंछ में लगन न पायी आगि।

सगरी लंका जल गई, गये निसाचर भागि।

v. कनक कनक ते सौगुनी मादकता अधिकाय।

या खाए बौरात नर या पा बौराय।।

9. विदेश में रहने वाले मित्र को ग्रीष्मावकाश में भारत के पर्वतीय स्थल के भ्रमण हेतु आमंत्रित करते हुए पत्र लिखिए। [5]
10. **कंप्यूटर हमारा मित्र** विषय पर दिए गए संकेत बिंदुओं के आधार पर अनुच्छेद लिखिए। [5]
- क्या है
  - विद्यार्थियों के लिए उपयोग
  - सुझाव
11. 'लहसा की ओर' पाठ के आधार पर सुमति की चारित्रिक विशेषताओं का उल्लेख कीजिए। [2]
12. डाँड़े के आस-पास के प्राकृतिक सौंदर्य का वर्णन अपने शब्दों में कीजिए। [2]
13. सालिम अली ने पूर्व प्रधानमंत्री के सामने पर्यावरण से संबंधित किन संभावित खतरों का चित्र खींचा होगा कि जिससे उनकी आँखें नम हो गई थीं? [2]
14. 'साँवले सपनों की याद' पाठ से आपको क्या शिक्षा मिलती है? [2]
15. कबीर के अनुसार मनुष्य ईश्वर को कहाँ-कहाँ ढूँढ़ता फिरता है? [2]
16. कबीर के अनुसार हंस किसका प्रतीकार्थ है? वह अन्यत्र क्यों नहीं जाना चाहता है? [2]
17. कवयित्री ललद्यद ने प्रभु की प्राप्ति में कौन-कौन सी बाधाओं का वर्णन किया है? [2]
18. माँझी और उतराई का प्रतीकार्थ समझाइए? यह माँझी कवयित्री को कहाँ पहुँचाता है? [2]

**Atomic Energy Central School No.2 Rawatbhata**

**CLASS 09 - SCIENCE**  
**Periodic Test 1 (2021-22)**

**Time Allowed: 1 hour and 30 minutes**

**Maximum Marks: 40**

### General Instructions:

All questions are compulsory.

Marks of a particular question are given against it.

## Section A

- The components of compound can be separated by using [1]
  - chemical method
  - physical method
  - none of these
  - cannot be separated by using any method.
- The well defined nucleus is absent in \_\_\_\_\_. [1]
  - Prokaryotic cell
  - Plant cell
  - Animal cell
  - Eukaryotic cell
- Rough endoplasmic reticulum helps in the synthesis of: [1]
  - steroids
  - proteins
  - starch
  - glycogen
- Find the correct statement: [1]
  - The SI unit of retardation is  $-ms^{-2}$
  - The motion of the athletes is uniform
  - Displacement is a scalar quantity
  - Velocity has magnitude only
  - (B)
  - (A)
  - (D)
  - (C)
- The given image shows a method of separation to obtain a coloured component (dye) from blue/black ink. Identify the method. [2]



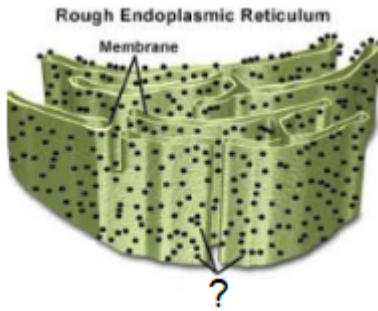
- a) Centrifugation

c) Chromatography

d) Sublimation

[2]

6.



Identify the black dots that are shown in the above figure and mention its function.

a) Lysosome, cell digestion

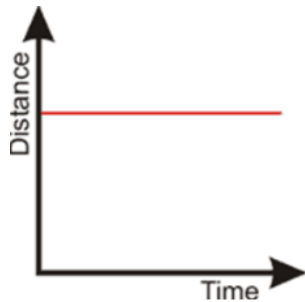
b) Nucleus, controls lipid synthesis

c) Ribosome, helps in protein synthesis

d) Golgi bodies, secretion of enzymes

7. The given image of Distance – Time graph represents that

[2]



a) a body is travelling with non-uniform speed

b) None of these

c) a body stops moving

d) a body is travelling with uniform speed

### Section B

8. Match the following:

[2]

(a) Brass	(i) Solution of gas in a liquid
(b) Sugar Solution	(ii) Solution of liquid in liquid
(c) Vinegar	(iii) Solution of solid in liquid
(d) Soda-water	(iv) Solution of solid in solid

9. Match the following Column A with Column B:

[2]

Column A	Column B
(a) Golgi Apparatus	(i) Cell theory
(b) Virchow	(ii) Cell
(c) Robert Brown	(iii) Camillo Golgi
(d) Robert Hooke	(iv) Nucleus

10. Match the following Column A with Column B:

[2]

Column A	Column B
(a) Universal Law of Gravitation	(i) G



(b) Value of G	(ii) Sir Isaac Newton
(c) Universal gravitation constant	(iii) $\text{ms}^{-2}$
(d) Unit of g	(iv) $6.673 \times 10^{-11} \text{ Nm}^2\text{kg}^{-2}$

### Section C

11. Differentiate between a true solution and a colloid. [3]
12. What is ATP? Write its full form. [3]
13. Define uniform velocity and uniform acceleration. [3]
14. Which separation techniques will you apply for the separation of the following? [5]
  - a. Sodium chloride from its solution in water.
  - b. Ammonium chloride from a mixture containing sodium chloride and ammonium chloride.
  - c. Small pieces of metal in the engine oil of a car.
  - d. Different pigments from an extract of flower petals.
  - e. Butter from curd.
  - f. Oil from water.
  - g. Tea leaves from tea.
  - h. Iron pins from sand.
  - i. Wheat grains from husk.
  - j. Fine mud particles suspended in water.
15.
  - i. State what will happen when human red blood cells are placed in a hypotonic salt/sugar solution. [5]
  - ii. Why plant cell shrinks when kept in a hypertonic solution.
  - iii. Why lysosomes are known as suicidal bags?
16.
  - i. Write the formula to find the magnitude of the gravitational force between the earth and an object on the earth's surface. [5]
  - ii. Derive how does the value of gravitational force F between two objects change when
    - a. distance between them is reduced to half and
    - b. mass of an object is increased four times.

**CLASS 09 - MATHEMATICS**  
**PERIODIC TEST I (2021-2022)**

**Time Allowed: 1 hour and 29 minutes**

**Maximum Marks: 40**

**General Instructions:**

ALL QUESTIONS ARE COMPULSORY

SECTION A Consist of 5 questions of 1 mark each.

SECTION B Consist of 6 questions of 2 mark each.

SECTION C Consist of 5 questions of 3 mark each.

SECTION D Consist of 2 questions 4 marks each

**Section A**

1. The value of  $\frac{2}{\sqrt{5}-\sqrt{3}}$  is [1]

a)  $\frac{1}{\sqrt{5}-\sqrt{3}}$

b)  $\sqrt{5} - \sqrt{3}$

c)  $\sqrt{5} + \sqrt{3}$

d)  $\frac{1}{\sqrt{5}+\sqrt{3}}$

2. The degree of the zero polynomial is [1]

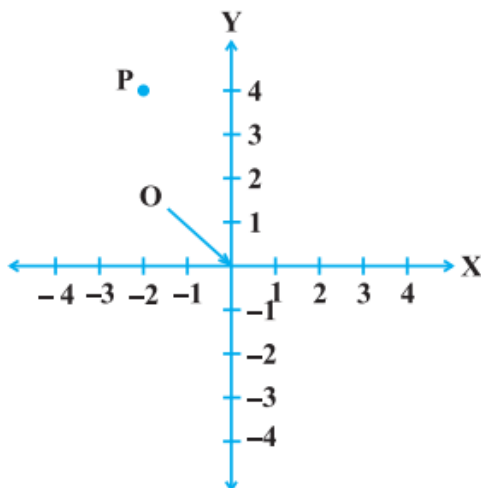
a) 0

b) any natural number

c) 1

d) not defined

3. In Figure, coordinates of P are [1]



a) (-2, 4)

b) (-4, 2)

c) (4, -2)

d) (2, -4)

4. Which of the following is a linear equation in two variables? [1]

a)  $2x - 5y = 0$

b)  $x + 5 = 8$

c)  $x^2 = 5x + 3$

d)  $5x = y^2 + 3$

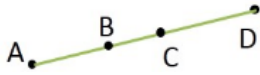
5. The boundaries of surfaces are [1]

- a) points
- c) surfaces

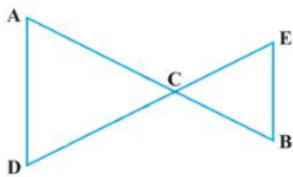
- b) lines
- d) curves

### Section B

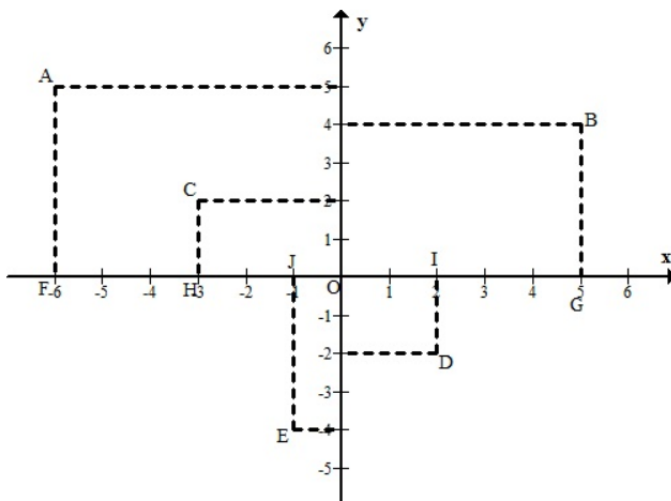
6. Find two rational numbers between -2 and 5. [2]
7. Factorize:  $12x^2 - 7x + 1$  [2]
8. Write the quadrant in which it lies: (3, -8) [2]
9. Draw the graph of the equation:  $x = 4$  [2]
10. In fig., if  $AC = BD$ , then prove that  $AB = CD$  [2]



11. Does Euclid's fifth postulate imply the existence of parallel lines ? Explain. [2]
12. State whether the following statements are true or false. Give reasons for your answers. [3]
  - (i) Every natural number is a whole number.
  - (ii) Every integer is a whole number.
  - (iii) Every rational number is a whole number.
13. Using factor theorem, factorize the polynomial :  $x^3 - 10x^2 - 53x - 42$  [3]
14. Locate the points (A) (-3, 4) (B) (3, 4) and (C) (0, 0) in a Cartesian plane write the name of figure which is formed by joining them. [3]
15. Draw the graph of the following linear equation in two variables:  $x + y = 4$  [3]
16. In the given figure, we have  $AC = DC$ ,  $CB = CE$ . Show that  $AB = DE$ . [3]



17. Write down the coordinates of each of the following points A, B, C, D and E. [4]



18. Draw the graph of the equation  $2x - y + 3 = 0$ . Using the graph, find the value of y when
  - a.  $x = 2$
  - b.  $x = -3$

# Atomic Energy Central School No.2 Rawatbhata

## CLASS 09 - SOCIAL SCIENCE

## PERIODIC TEST I (2020-2021)

**Time Allowed: 1 hour and 30 minutes**

**Maximum Marks: 40**

### General Instructions:

1. All questions are compulsory
2. Marks of each question is given against them

- |    |  |                                   |
|----|--|-----------------------------------|
| 1. | Which group was exempted from paying feudal dues?  | [1]                               |
|    | a) Peasants  | b) Clergy                         |
|    | c) Nobles  | d) Big businessmen                |
| 2. | Who got the right to vote in the France Constitution of 1791?  | [1]                               |
|    | a) Men with property   | b) Active citizens                |
|    | c) Passive citizens  | d) Monarchs                       |
| 3. | Who proposed a form of government based on a social contract between people and their representatives? | [1]                               |
|    | a) Abbe Sieyes   | b) John Locke                     |
|    | c) Montesquieu   | d) Jean Jacques Rousseau          |
| 4. | A landmass bounded by sea on three sides is referred to as   | [1]                               |
|    | a) Peninsula   | b) Island                         |
|    | c) Coast   | d) Delta                          |
| 5. | The eastward extension of the Central Highlands are known as:  | [1]                               |
|    | a) Maikal range and Mahadev hills  | b) Chota Nagpur plateau           |
|    | c) Bundelkhand and Baghelkhand   | d) Aravali range                  |
| 6. | Which of the following parallel ranges are known as Lesser Himalayas?                                  | [1]                               |
|    | a) Himachal  | b) Purvanchal                     |
|    | c) Himadri   | d) Shiwaliks                      |
| 7. | Where did the dalits in Palampur live?   | [1]                               |
|    | a) At one corner of the village  | b) No where                       |
|    | c) In the centre of the village  | d) In the big hall of the village |
| 8. | People of Palampur sell milk in the near by large village named  | [1]                               |
|    | a) Siliguri  | b) Raiganj                        |
|    | c) Pitampura   | d) Shahpur                        |
| 9. | The famous political party of Mexico was:  | [1]                               |

- |  |                                      |                            |  |
|--|--------------------------------------|----------------------------|--|
|  | a) Revolutionary party               | b) Chinese Communist party |  |
|  | c) Institutional Revolutionary party | d) People's party          |  |
10. Which one of the following is not a democratic country? **[1]**

a) India	b) Mexico
c) South Africa	d) Sri Lanka
  11. What was the significance of the storming of the Bastille? **[3]**
  12. The eighteenth century France witnessed the emergence of the middle class'. Who were they and what were their ideas? **[3]**
  13. How was church responsible for the French revolution? **[5]**
  14. Write a short note on Andaman and Nicobar island. **[3]**
  15. Write a short note on the Indian Desert. **[5]**
  16. How do the medium and large farmers obtain capital for farming? **[3]**
  17. Name any two countries where elections are held regularly but they cannot be considered as democratic countries. Explain. **[3]**
  18. Describe any five features of non-democratic Pakistan under General Musharraf. **[5]**